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**NATIONAL CENTER FOR INDUSTRIAL  
COMPETITIVENESS (NCIC)**

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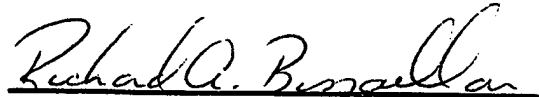
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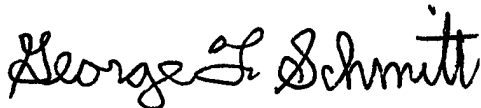
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<b>13. ABSTRACT (Maximum 200 Words)</b> The National Center for Industrial Competitiveness (NCIC), also known as NCIC Capital Fund, was established in 1994. NCIC functions as a private, not-for-profit corporation to provide evaluation and assessment services and to provide funding for technology-based businesses. During the performance period, NCIC provided technical, managerial and financial assistance to over 700 companies. Technical assistance included access to technology transfer and technology assistance centers. Managerial assistance included reviews of business plans, sales and marketing plans, and assistance in locating and securing sources of financing to fund growth. NCIC's financial assistance included the direct funding of start-up and early stage companies. NCIC's financial assistance amounted to nearly \$6.2 million in debt and equity financing in 25 companies and \$3.5 million in grants to Ohio businesses. These funds were matched by over \$37 million from private sources and nearly \$6.2 million from the State of Ohio. There were nearly 400 jobs created or retained as a result of NCIC's efforts. NCIC also provided direct project funding for selected projects designated by the U.S. Air Force.				
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## 1. Background

The National Center for Industrial Competitiveness (NCIC Capital Fund) was created in 1994 in response to the downsizing and closure of U. S. military bases within the U.S. Department of Defense (DoD). Ohio was hit particularly hard with thousands of jobs lost at Wright Patterson Air Force Base, the Defense Electronics Supply Center (DESC), and the Department of Energy's (DOE) Mound Plant. Local business leaders initiated discussions between the Ohio congressional delegation, DoD, WPAFB, and various economic development organizations to create an early-stage venture fund that would support the growth and development of small entrepreneurial firms to help mitigate the effects of defense cutbacks through technology transfer and commercialization.

NCIC, a private, not-for-profit 501(c)(6) organization, is a \$20.75 million capital fund comprised entirely of public monies. The Federal Government provided NCIC Capital Fund with \$12.75 million dollars and the State of Ohio provided \$10 million dollars, eight million dollars being provided as a grant and the remaining \$2 million dollars was made available in the form of Ohio 166 Program loans. The Ohio Department of Development (ODOD) monitored the progress and activities of NCIC through quarterly reports and by representation on the Investment Policy Committee and the Board of Trustees.

The Grant from the U.S. Air Force expired on January 13, 2001 with the final expenditure of all grant monies. This report constitutes the final report as required by the Grant Agreement with the U.S. Air Force. (Grant Agreement - F33615-94-5806 P00009.)

## **2. Summary**

NCIC offers equity and debt financing to early-stage technology-based companies located in Ohio. It seeks technology-based companies that are market ready and have a broad market appeal. The typical NCIC investment is in a firm with fewer than 10 employees and requests less than \$500,000. Those firms are developing information technology, software, or applications of these for manufacturing. NCIC has made 25 investments in technology-based businesses and created nearly 400 new jobs as a result of expending all of the grant funds. NCIC's portfolio companies had revenues of over \$34 million in 2000.

NCIC employs five people. The President/CEO of NCIC is a former business owner/entrepreneur and has served on many Dayton area boards related to business, entrepreneurship and venture capital. The Vice President holds an MBA in Financial Administration, and is both a Certified Public Accountant and a Certified Management Accountant. He previously worked as a general manager and chief financial officer in the private sector. NCIC's Manager of Business Development is a Certified Economic Development Professional who has managed loan portfolios in excess of \$30 million. He serves on the boards of a regional venture capital association and a statewide economic development corporation. The Manager of Technology is a chemical engineer with extensive experience managing private sector projects. NCIC's Administrative Manager has held a number of administrative positions with companies in the private sector.

NCIC Capital Fund invests in start up and early stage companies meeting the following general criteria.

**Management Team:** NCIC requires a complete team, preferably one that has prior business building experience. This team should have the ability to understand the product or technology and to manage for growth. We prefer teams that have an "exit" mentality and a financial stake in the company.

**Aggressive Growth:** NCIC looks for companies in significant markets that demonstrate a growing demand for the technology and project realistic growth opportunities. We prefer companies that have an existing customer base or that are on the verge of commercialization.

**Competitive Advantage:** NCIC expects companies to have a sound technical base and a sustainable competitive advantage. We prefer companies that have secured a proprietary protection for their intellectual property and have plans for subsequent technical and product advances.

NCIC's mission is to function as an evaluation and assessment center to support the startup, growth and competitiveness of emerging technology-based businesses. Unlike private sector venture capitalists, NCIC reviews the business plans of every applicant with the intent of providing funding and/or linking these firms with other service providers, funding sources, entrepreneurial programs, or business mentors.

NCIC has received over 600 business plans since its inception in 1994. The following table summarizes the number of small companies served by NCIC CapitalFund. Table 1 shows the stages of NCIC's evaluation, assessment, and investment through which all business plans were processed. The table covers all business plans received through January 13, 2001.

**Table 1. Evaluation, Assessment and Investment Assistance Provided by NCIC**

SPECIFIC NCIC HELP PROVIDED	NUMBER OF SMALL COMPANIES SERVED	PERCENTAGE OF BUSINESS PLANS RECEIVED
Business Plans Received	722	100.0%
Business Plans That Passed Initial Screen	252	34.9%
Conducted Detailed Due Diligence	141	19.5%
Staff Presentation to Investment Policy Committee	48	6.6%
Presentation to Investment Policy Committee.	46	6.4%
Approved by Investment Policy Committee	34	4.7%
Approved by NCIC President	4	0.6%
Total Approved	25	3.5%
Received NCIC Investment	13	1.8%
Client withdrew request after approval	0	0.0%
Successfully exited investment	2	0.3%
Companies no longer in business	7	1.0%

According to an independent survey conducted by the State of Ohio in 1999, most of the companies that came to NCIC ultimately received financing, if not from NCIC, then from other sources as shown in Table 2.

**Table 2. Companies Receiving Financing after Contacting NCIC**

Other sources of financing (including loans) as reported by respondents to an independent survey in 1999	Percent reporting that they received funding
Bank loans	47.9%
Other private funding	38.0%
Loans/gifts from friends and/or family	21.0%
Other government organizations/agencies	28.2%
Private venture capital	23.9%
Own savings and money	7.0%

NCIC has provided financing to twenty-five companies. Four of these were equity investments, eleven were a combination of debt and warrants, while ten were simple loans. NCIC has attempted to leverage its dollars in order to attract other funding in each deal. On average, every dollar that NCIC invested leveraged over three dollars from other sources. This practice has enabled NCIC to adequately fund its investments while preserving capital and spreading the risk.

A minimum investment is \$200,000. In the first round of funding the maximum level of investment for NCIC funding is \$750,000. The cap on the total investment in one firm is \$1,500,000.

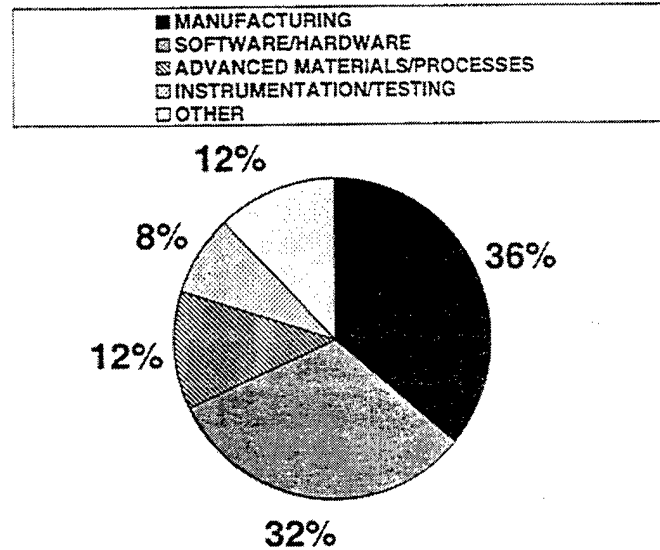
NCIC is an evergreen fund, seeking to recycle its public funds for continued private economic development by earning returns through various mechanisms such as the repayment of principal and interest, dividends, royalties and the redemption of equity and warrant positions. NCIC seeks to exit its investment within three to five years.

### 3. Investment Program

#### Industries Served

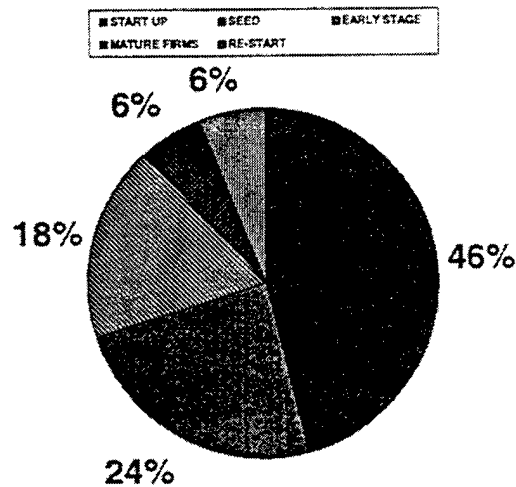
Thirty percent (32%) of NCIC's investments have been in the information technology and software industries. About 36% of its investments were made in manufacturing industries, 12% in advanced materials, 8% in instrumentation and testing applications, and 12% funded other high technology industries. Figure 1 shows the industries served by NCIC

Figure 1. Industry Sectors Served By NCIC



Roughly 46% of NCIC portfolio companies are in the startup stage at a point where the technology has been shown productive, offers a good value proposition to the market, and is beginning commercialization to a broad market. Twenty-four percent (24%) of NCIC investments are seed money for firms with a concept not yet fully developed. Similarly, 18% are companies in the pre-profit stages of commercialization. Six percent (6%) of NCIC's investments were for firms with well-established projects while another 6% of investment went to firms involved in re-starting their businesses. Figure 2 shows the stage of development of the companies at the time of NCIC's investment.

Figure 2. Stage Of Development



## **The Funding Process**

Companies seeking direct investment are encouraged to meet with NCIC and submit an executive summary of their business plan for a preliminary assessment. The formal review process begins once an interested firm submits a complete business plan that includes the following: a description of the business; historical and projected financial statements; resumes of the management team; market assessment; and a marketing or sales plan.

If the business plan meets NCIC's general criteria, a more formal "due diligence" evaluation of the company and its management team is undertaken. A technology review is conducted to determine if the firm has a sustainable competitive advantage and a protected proprietary product. Approximately 40% of all applicants entered into this stage of the due diligence process. Evaluation takes about three to four months from business plan submission to a final funding decision.

Early in the due diligence process NCIC usually provides a term sheet so that applicants understand the types of obligations they will be accepting with the receipt of NCIC funds. While the terms of financing are often more favorable than those provided by a venture capitalist, they are also more demanding than those offered by a bank loan. Terms may include deferred payment of the principal and interest until the firm starts generating sales. Repayments may also be based on royalties from sales.

Fewer than 5.6% of the applicants emerge from the due diligence process and are presented to the NCIC Investment Policy Committee for review and final approval. This is a subcommittee of the Board of Trustees comprised of voting members, local venture capitalists, and angel investors. If the investment is approved, NCIC sends a commitment letter and proceeds to close on the deal. To date, roughly half of the applications presented to the NCIC Investment Policy Committee have resulted in closed deals. In some cases firms withdrew their application when the final terms were offered by NCIC.

For companies that do receive funds, NCIC continues to give advice and introduces the company to the region's network of business, technology and financial entities to bring a full range of value-added services. Expanding the business network of an emerging firm improves its competitiveness and provides greater opportunity for success.

## **Investment Milestones and Accomplishments**

NCIC Capital Fund was the first seed and early stage venture capital corporation to be sponsored by both a state government (the State of Ohio) and the Federal Government. By the very nature of its public purpose to support the creation and growth of new technology NCIC Capital Fund was a unique model for economic development and job creation in that it is a publicly funded, private, not-for-profit corporation. As a model for economic development and job creation, NCIC Capital Fund accomplished some significant milestones and accomplishments. A complete listing of the chronology is provided in Appendix D. Key accomplishments are provided below.

- The availability of debt and equity financing for early stage and start-up companies attracted over 700 businesses to NCIC's offices with business plans.
- Investments of over \$12 million were made to 25 companies.

- These investments attracted over \$37 million in additional investments from other firms, individuals, banks and corporations.
- NCIC's client companies developed strategic partnerships with major corporations such as: General Motors, Goodyear Tire and Rubber Company, Hewlett-Packard, and Agilent Technologies.
- The employment by NCIC's client companies totaled over 400 persons at the end of December 2000.
- Several of the companies had achieved profitability and sustainable growth.
- Four of NCIC's companies (Applied Sciences, Bosma Machine and Tool, Century Aerospace, and Cohesia) took advantage of Federal Small Business Innovation Research (SBIR) programs.
- One company (Applied Sciences) participated in a National Institutes of Science and Technology (NIST) Advanced Technology Program (ATP) along with two fortune 50 companies. They have also participated in a number of Small Business Innovation Research (SBIR) projects with the US Department of Defense, the US Department of Energy and the National Science Foundation.
- One company participated in Small Business Innovation Research (SBIR) projects with both the National Science Foundation (NSF) and the National Institute of Science and Technology (NIST).
- Based on a survey of NCIC prospects, the State of Ohio concluded that 48% of the companies that went to NCIC for financial assistance ultimately received funding, if not from NCIC, then from banks, other venture capital firms, private investors, corporations, or government programs.

### **Special Projects**

NCIC Capital Fund performed a grant management function for three US Air Force research and development projects. These projects were the Composites Affordability Initiative, the P4A (Programmable Powdered Preform Process for Aerospace) Project at the National Composites Center, and a corrosion prevention project at Robbins and Myers. Each project developed its own interim and final reports.

#### **Composites Affordability Initiative**

NCIC managed a \$1 million grant called the Composites Affordability Initiative (CAI) with the Edison Materials Technology Center, four large aerospace companies and one small business. Purpose of the project was to identify and evaluate alternative methods of manufacturing aircraft component parts in a more cost-effective manner. Composites are extensively used in a variety of hardware designs, both defense and commercial. While composite technology is still maturing, it is already having a profound effect on what hardware designers can achieve. Several leading American aerospace manufacturers were engaged in a major cooperative effort to develop software to help reduce the cost of manufacturing composite structures. Participants in the Composites Affordability Initiative (CAI) were Lockheed Martin, Northrop Grumman, Boeing Phantom Works, General Electric's Engine Division, Galorath Incorporated (also known as GA SEER™ Technologies) as well as representatives from the U.S. Air Force, the U.S. Navy and Ohio's Edison Materials Technology Center (EMTEC).

#### **National Composites Center**

The objective of the \$1,700,000 grant provided to the National Composite Center ("NCC") was to provide more affordable composite structural components via the use of advanced preform processing methods such as the Programmable Powdered Preform Process (P4) and its derivative application to aerospace (P4A). The program explored expanded application of these technologies and others for affordable aircraft, uninhabited air vehicles, missile, launch vehicle, and/or other types of aerospace and related structures.

#### **Moyno Division, Robbins and Myers**

The objective of the \$850,000 grant provided to the Moyno Division of Robbins and Myers was to conduct a research and development entitled, "Laser Coatings as an Alternative to Chrome Plating" project plan. Purpose of the project was to identify and evaluate alternative methods of applying corrosion resistant coatings to aircraft parts, using laser technology. The US Air Force was interested in finding environmental friendly alternatives to chrome plating for its hardware.

#### **Technology Commercialization**

NCIC's participated in technology commercialization activities with both the Wright Technology Network (WTN) and the Edison Materials Technology Center (EMTEC). Efforts with WTN focused on identifying technology commercialization opportunities for technology developed by the U.S. Air Force. NCIC worked with WTN to develop commercialization strategies for these technologies. Efforts with EMTEC focused on structuring EMTEC's Core Technology projects to enable EMTEC to recover some of its investment in these technology development projects.

#### **Commercialization of Technologies Developed at Federal Facilities**

NCIC executed a task order contract with the Wright Technology Network (WTN) to participate in technology reviews. The contract with WTN did not duplicate any efforts funded by either the US Air Force or the State of Ohio. Specifically, NCIC contracted with WTN to conduct independent technical and aerospace project cost evaluations for those investment proposals that utilized Wright Patterson technologies. WTN provided as-needed liaison to the base and access to its consultants for of NCIC's investment prospects.

NCIC provided liaison with the Wright Patterson Air Force Base and the Wright Laboratory's Technology Transfer Office to develop a proactive strategy between WTN and WPAFB involving the commercialization of technologies available at Wright-Patterson Air Force Base, NASA Glenn Research Center and other Federal facilities. These technologies had been developed under various government programs, the Cooperative Research and Development Agreement (CRDA), Advanced Technology Program (ATP) and Small Business Innovation Research (SBIR) programs are being evaluated for investment by NCIC. These efforts continue to provide both spin-off opportunities for commercialization of military technologies and spin-on technologies for potential defense applications. These technologies and the corresponding companies are listed in Appendix E.

#### **Company Chief Executive Officer (CEO) Education and Training**

NCIC sent the Chief Executive Officers (CEO's) of its Dayton area client companies through CEO Strategic Planning Courses offered by the Miami Valley Economic Development Coalition (MVEDC) and the Dayton Area Chamber of Commerce. The CEO's completed the course offered by the Miami Valley Economic Development Coalition. In August of 1996, the NCIC staff started mentoring local CEOs through the strategic planning course offered by the Dayton Area Chamber of Commerce. NCIC actively assisted companies in the development of advisory boards and the formation of Boards of Directors.

#### **Fund raising for early stage and start-up companies**

NCIC co-sponsored two different annual venture capital conferences in an effort to assist entrepreneurs attract investment capital for their firms. The conferences, the Innovest Venture Capital Conference and the Great Midwest Venture Capital Conference, were held each year in the spring and fall respectively. Innovest is a State of Ohio conference led by Economic Development Foundation (EDF) in Cleveland, Ohio whereby approximately 30 companies seeking investment capital could present their business plans to about 250 investors. The Indiana Business Modernization and Technology Corporation lead the Great Midwest Venture Capital Conference. The Great Midwest Venture Capital Conference covers companies located in 10 Midwestern states and is also attended by about 250 investors.

#### 4. Results Achieved

Table 3 shows the outcomes of NCIC's efforts in terms of job creation, revenue generation and additional investment generation for its client companies

NCIC has provided evaluation and assessment services to over 700 companies and has linked many of these businesses to other service providers which include federal and state technology transfer services, manufacturing assistance, marketing assistance, and business development programs.

**Table 3. Outcomes from NCIC Capital Fund's Investment Activities**

<b>OUTCOME MEASUREMENT</b>	<b>OUTCOME</b>
Investments funded	25
Investment Provided by NCIC	\$12,386,778
Matching Funds Provided to Companies	\$37,700,000
Companies under management	16
2000 portfolio employment	372
2000 client company revenues, \$k	\$34,279,977
Successful exits	2
Investments lost	9
Dollars lost, \$k	\$2,850,381

## 5. Conclusions

NCIC Capital Fund has funded 25 companies and created over 400 new jobs as of December 31, 2000. These companies raised an additional \$37.7 million in debt and equity financing to match NCIC's investments. The matching funds amount to an average \$3.40 match for every dollar invested by NCIC. The businesses remaining in NCIC's portfolio continue to grow, increase revenues and create new jobs.

NCIC continues to work to revolve its funds. From inception through December 31, 2000, NCIC has generated gross portfolio revenue amounting to \$2,217,059, which is reinvested into additional prospect companies. NCIC, while managed like a "for-profit corporation," continues its mission as a funding source and as an evaluation and assessment center for entrepreneurs in the early stage of business startup.

## APPENDICES

Appendix A - Summary of NCIC's Deal Flow

Appendix B - NCIC's Investment Prospects

Appendix C - NCIC's Investments Created High Value Added Jobs

Appendix D - Chronology of Milestones

Appendix E - Commercialization of Technology by NCIC's Prospects

## Appendix A - Summary of NCIC's Deal Flow and Outcome Metrics

### OVERALL DEAL FLOW (August 1994 through December 2000)

TYPE OF ACTIVITY	NUMBER	DOLLAR VALUE, \$MILLION
Inquiries received	>1,000	Unknown
Business plans reviewed	722	304.3
Businesses funded	25	11.1
Businesses approved for funding but later withdrawn	13	6.4
Businesses approved for funding but not yet funded	0	0.0
Business plans currently under review	3	2.3
Business plans being developed	21	15.3
Investment requests withdrawn, referred or rejected	673	269.2

### ANNUAL DEAL FLOW AND OUTCOME METRICS

	1994	1995	1996	1997	1998	1999	2000	TOTAL
Business plans reviewed	16	155	122	85	89	132	185	722
Plans approved for investment	0	9	13	7	5	4	0	38
% Plans approved	N/A	5.8%	10.7%	5.9%	5.6%	3.0%	0.0%	5.0%
Approved amount, \$M	0	\$3.45	\$4.45	\$4.87	\$3.45	\$1.30	\$0	\$17.02
Businesses funded	0	8	7	3	2	5	0	25
First round investment, \$M	0	\$1.55	\$2.15	\$2.51	\$1.20	\$1.95	0	\$9.36
Follow on rounds funded	0	0	1	4	0	3	2	11
Follow on investments, \$M	\$0	\$0	\$0.30	\$1.51	\$0	\$0.30	\$0.70	\$2.81
Total funded amount, \$M	\$0	\$1.55	\$2.45	\$2.62	\$1.20	\$1.95	\$0.50	\$12.16
Matching investments, \$M	\$0	\$4.98	\$5.68	\$2.00	\$3.55	\$9.25	\$3.1	\$37.70
Year end employment	142	173	208	267	307	362	372	
Company revenues, \$M	\$6.7	\$10.4	\$18.4	\$17.2	\$23.4	\$27.2	\$34.3	

## Appendix B - NCIC's Investment Prospects

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

**Other Funds Leveraged, \$**

**Product/Project Title**

**Company Name**

**NCIC Amount, \$**

**Funded Investment Projects**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
Apex Technical Products	ProSep 800 GC Testing Equipment	\$500,000.00	\$550,000.00
Applied Sciences, Inc. - Pyrograf Products Inc.	Pilot Plant for Production of Carbon Fibers	\$500,000.00	\$2,000,000.00
Bosma Machine and Tool Corporation	Machining Process	\$200,000.00	\$2,240,000.00
Century Aerospace Corp.	The Century multi-purpose jet (was the SPIRIT)	\$500,000.00	\$23,104,000.00
Cheyenne Industries, Inc.	Plastics Reprocessing Technology	\$74,900.00	\$125,000.00
Cohesia Incorporated	Develop MASS System (Material Specifications Software)	\$1,000,000.00	\$3,500,000.00
Color Savvy Systems, LLC	Business Expansion for Color Printing Products	\$600,000.00	\$2,500,000.00
Deep Discount Network (DDN Limited Partnership)	On Line Electronic Market Place for Industrial Electronics	\$100,000.00	\$300,000.00
Fisher Data Products	Motor Industry Testing equipment	\$700,000.00	\$700,000.00
Heartland Airlines	Commercial airline	\$500,000.00	\$6,000,000.00
IAMCARD, Inc.	IAMCARD Student Record Tracking System	\$235,000.00	\$200,000.00
InnoVan, Incorporated	Step Van Manufacturing Business	\$150,000.00	\$1,000,000.00
Intelligent Algorithms, Inc.	GIST Computerized Text Abstracting Product	\$500,000.00	\$500,000.00
KOHOL Systems, Inc.	Near Net Shape Casting Equipment for Automotive Parts	\$500,000.00	\$300,000.00
Masters Aerospace & Systems Group	Avionics Hardware and Software	\$500,000.00	\$500,000.00
New Carlisle Manufacturing	Water Jet Cutting Tools	\$49,999.00	\$110,000.00
Phylolife Sciences, Inc.	Establish a research center at Mound for clean up and natural products develop	\$500,000.00	\$1,000,000.00
Pinnacle Products Group	High Quality Graphics Printing on Recycled Rubber	\$500,000.00	\$1,150,000.00
Privatizer Systems, Incorporated (dayigroup)	Private Facsimile Transmission Equipment	\$500,000.00	\$1,000,000.00
Technology Institute for Manufacturing of Electron	Establish printed wiring board research center at Mound	\$100,000.00	\$345,000.00
Titus International	Wire Spool Manufacturer for Welders	\$100,000.00	\$450,000.00
Touchlife Industries, LTD	Business Expansion for the Touchlife Gas Grills, Gas Cooktops and the VendaGrill	\$500,000.00	\$1,300,000.00
TransWave International	Catholic Protection Monitoring and Control System	\$500,000.00	\$360,000.00
Varis Corporation	Commercial Print Controller	\$750,000.00	\$10,750,000.00
Vocalex Inc.	Marketing of Vocalex - Speech Magic Software	\$975,000.00	\$1,800,000.00
		\$11,034,899.00	\$61,784,000.00

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

**Other Funds  
Leveraged, \$**

**NCIC Amount, \$**

**Product/Project Title**

**Company Name**

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

**Other Funds  
Leveraged, \$**

**NCIC Amount, \$**

**Product/Project Title**

**Company Name**

**Withdrawn Investment Projects**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
Eagle Tool & Machine Co., Inc.	Precision Matching	\$400,000.00	
Global Manufacturing Solutions	Air Bag Inflator Systems	\$500,000.00	\$5,628,000.00
R/P International	Manufacturing Mobile Shelter Systems		
Electric Transil, Inc.	Electric Trolley Buses	\$619,000.00	
SPECO	Focused factory implementation for defense conversion	\$500,000.00	\$2,000,000.00
Dayton Hydro-Electric	Low Dam Hydro-Electric Power Plants	\$3,000,000.00	
Leland Electro-Systems	Electrical Power Systems	\$500,000.00	
Mound Laser and Photonics Center	Expansion of Laser Marking and Cutting Services Business	\$100,000.00	\$100,000.00
Recovered Energy Technologies Co. (REICO)	Liquefied Natural Gas (LNG) Production Equipment	\$500,000.00	\$1,900,000.00
GenWest Rail Services	Consulting for defense conversion for the US rail industry.		
Emergitech	911 Software Developer and Retailer		
Telectro-MEK, Inc.	Jet Engine Thrust Monitor	\$400,000.00	\$2,080,000.00
Lighting Technology Incorporated	Electroluminescent Lighting	\$350,000.00	\$446,876.00
Frontier Technology	Data Compression Software	\$60,000.00	
Faraday Technologies	Chromium 3 Plating Process (Replaces CR 6)	\$60,000.00	\$60,000.00
BioMedical, Inc.	Manufacturing Plant for Medical Products	\$279,900.00	\$732,771.00
Dafonso Research Associates, Inc.	Infrared Analyzer for Surface	\$250,000.00	
APS Materials, Inc.	Thermal Spray Products for the Semiconductor Industry	\$750,000.00	\$1,500,000.00
Harco Industries, Inc.	New Manufacturing Line	\$300,000.00	
Tracewell Power	Electronic Systems Power Supplies	\$500,000.00	\$2,000,000.00
Lifeline Biotechnologies, Inc.	Breast Cancer Detection Systems	\$500,000.00	
Analytical Engineering Corporation	None Found	\$100,000.00	
Sigma	Set up manufacturing plant for fiber glass reinforced plastics	\$250,000.00	\$675,000.00
MANCOM	MEDVISION Patient Health Care Software Development	\$500,000.00	\$4,000,000.00
Aster, Inc.	Premium Elastomeric Roof Sealer	\$150,000.00	\$200,000.00
Concert Corporation	Measurement Systems	\$35,000.00	\$275,000.00
SAC International, Inc.	Tool Hardening System	\$500,000.00	
Ergonomics, Inc.	Ergonomically Designed Crutches Using Composites	\$100,000.00	\$1,200,000.00
Systems Research Laboratories	Monitoring Equipment	\$300,000.00	
Calderon	Coke Ovens Using Dry Quench System	\$500,000.00	\$7,200,000.00
Houston Industries	Damping Product for Aircraft Wings	\$100,000.00	
Resource Recovery	Resource Recovery Not For Profit	\$150,000.00	
Bionic Information Technologies	Optical Computing, Flat Panel Displays, Food Preparation	\$100,000.00	
Miami Valley Punch Corporation	Precision Matching and Metal	\$500,000.00	
Digitron	Exhaust Manifolds, High Tech Muffler	\$500,000.00	\$2,000,000.00
BeamAlloy	Chrome Plating Replacement Technology	\$50,000.00	\$500,000.00
Lafe Technologies	Data Compression	\$500,000.00	\$2,000,000.00
INTELLX	WISE/PA and WISE/EX Commercial Software Systems	\$500,000.00	\$2,500,000.00

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

**Other Funds Leveraged, \$**

**NCIC Amount, \$**

**Product/Project Title**

**Company Name**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
Climatron	Gas Absorption Heat Pumps	\$1,500,000.00	
Sigma ElectroMagnetic Technologies (Sigma Tech	Plastic Resins for EMF Shielding	\$500,000.00	
NuBit	Hardened Drill Bits, End Mills, and Other Tools	\$100,000.00	
ICAM Technologies	Polymer Based Actuators to Replace Hydraulic Systems	\$500,000.00	\$1,732,000.00
DanCor Systems	Grinding Process Optimization	\$10,000.00	\$10,000.00
Renewable Lubricants	Biomass Based Engine	\$500,000.00	
IAP Research, Inc.	Equipment for Producing Powder Metallurgy Parts	\$500,000.00	\$8,200,000.00
Kent Display Systems, LP	Pilot and Interim Production Plant for Liquid Crystal Displays	\$500,000.00	\$3,025,000.00
Pharos Technologies, Inc.	COMPONENT SOFTWARE FOR MEDICAL AND INTERACTIVE CONSUMER SYSTEMS	\$200,000.00	\$4,300,000.00
VisualControl, Inc.	Computer Software for Energy Systems	\$500,000.00	\$500,000.00
Webcore Technologies, Inc.	Fiberglass Reinforced Foam Cores	\$100,000.00	\$470,000.00
Nitron Inc.	Anodized and PTFE Coated Products	\$500,000.00	
Tritech Software, Inc.	Windows Security Software	\$200,000.00	
DISAN, Incorporated	Rapid, Low Cost Environmental Diagnostic Screening Test Kits	\$465,000.00	\$6,550,000.00
Software Tools & Services, Inc.	Portable Patient Health Care File & EC/EDI Hardware Sales	\$100,000.00	\$100,000.00
EZ PLAY, INC.	Golf Cart for Handicapped Persons	\$207,000.00	\$800,000.00
CeramPhysics, Inc.	Ceramics Technology	\$330,000.00	\$720,000.00
Electric Vehicle Propulsion	Purchase Patent Rights to Electric Wheel Technology	\$200,000.00	\$400,000.00
Innovative Medical Equipment, Inc.	Manufacture the Zapper, hypodermic needle Inclinerater	\$500,000.00	\$1,500,000.00
Edict Systems	EDI Software Product Development	\$400,000.00	\$800,000.00
Prideac, Incorporated	Biometric Technology (HandMark XO)	\$350,000.00	\$350,000.00
Composite Technologies	Plastic Recovery Facility	\$300,000.00	
Apex Precision Technologies (Ohio sales office of I	Defense Conversion		
Systan Corp	Defense Conversion		
ApotheTech International, Inc.	The ApotheSystem	\$750,000.00	\$5,000,000.00
InterNet Business Development	The Champion Network (InterNet Employment Service)	\$50,000.00	\$50,000.00
Asiro Industries, Inc.	Financial Turn Around		
New Horizons	Cincinnati Expansion	\$105,000.00	\$300,000.00
TCC Productions, Inc.	Television Programming		
Micro Weld Technologies	Advanced welding process	\$500,000.00	\$1,000,000.00
Detex, Inc.	Analytical Equipment		
The Guardian Resin Company	Epoxy Resin Company Start Up	\$200,000.00	\$800,000.00
Sutton and Eiling, Inc.	Automated patient billing systems for doctors	\$150,000.00	\$150,000.00
Marifronx	System integration, defense conversion	\$300,000.00	\$300,000.00
EG&G MSI - Albuquerque Operations	Pavement Measurement and Analysis System (PMAS)		
Shape Form, Inc.	Management Buy Out of Defense Conversion Company	\$200,000.00	\$650,000.00
Avia Enviro, Inc.	Aircraft De-Icer (environmentally friendly)	\$100,000.00	\$100,000.00
MVS Incorporated	MVS Cellular Technology	\$1,000,000.00	\$8,200,000.00
Lawrence Systems, Inc.	Angular Positioning System		\$250,000.00

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
D & L Precision Machining	Capital Equipment Acquisition		\$60,000.00
Michigan Manufacturing Technology Center	Michigan companies for funding	\$500,000.00	\$1,000,000.00
Mound Heat Source	Privatize Mound's General Purpose Heat Source Business	\$500,000.00	\$2,000,000.00
FI-PULP, Inc.	Working capital to construct pilot plant	\$500,000.00	\$1,000,000.00
MCAE, Inc.	Working capital for Inertia CAE Software for Vibration and Optimization Analysis		
AWare, Inc.	CAD/Chem modeling		\$3,000,000.00
Univenture, Inc.	Compact Disc packaging units (manufacturing)		\$2,000,000.00
Healthcare Integrated Services, Ltd.	Apex System (Healthcare Information System)	\$100,000.00	\$1,000,000.00
PhotoVolt, Inc.	High Intensity VMJ solar Cells	\$500,000.00	\$750,000.00
MHI, Inc.	Plant Expansion for Micropylitics Heaters International, Inc.		\$1,100,000.00
Universal Document Management Systems, Inc.	Step 2000 Process Manager		\$2,000,000.00
VIAIRO Corp.	Medical Infection Control Devices		\$1,000,000.00
Transnap Corporation	Mobile Mapping Technology	\$500,000.00	\$1,100,000.00
Chip Works, Inc.	Application specific Integrated Circuits	\$500,000.00	\$1,000,000.00
VacuPanel	Vacuum Insulation	\$350,000.00	\$1,200,000.00
Laminated Composite Panels	Laminated Panels	\$500,000.00	\$1,500,000.00
Enable Medical Corporation	Develop and Manufacture Instruments for Endoscopic Surgery	\$500,000.00	\$3,000,000.00
Marconi Communications Corporation	Personal Computer Hardware and Private, Painless Network	\$500,000.00	\$3,000,000.00
Environmental Energy, Inc.	Butanol based fuel		\$3,000,000.00
Specialty Metallurgical, Inc.	Specialty Spring Manufacturer	\$300,000.00	\$630,000.00
ISI Data Services, Inc.	Software Systems Development	\$200,000.00	\$470,000.00
CRT	Industrial Solid Waste Recycling	\$500,000.00	\$2,325,000.00
Mound Flextek, Incorporated	Working capital for printed circuit board plant at Mound		
Norcold	Special refrigeration units	\$100,000.00	\$100,000.00
Fiberglass Design, Inc.	Fiberglass Molding	\$500,000.00	\$1,668,766.00
ITCN	Integrated computer systems		\$250,000.00
Grace Fax Service	Enhanced Fax Services		\$1,447,027.00
Faraday Technologies	Removing Mercury Amalgam from Dental Waste Water	\$225,334.00	\$2,500,000.00
ACE Technical Resources	High Pressure Compressed Natural Gas Tanks for Automobiles	\$500,000.00	\$300,000.00
Morrison & Allen, Inc.	Ion Reactors for Water Purification		\$20,000,000.00
Cook and Mitchell Power Systems Company	Fuel valve regulator	\$750,000.00	\$1,000,000.00
Powered Materials Applications	Geometric Contouring Universal Joint	\$500,000.00	\$1,000,000.00
Conservatite Technologies, Inc.	Energy Efficient Lighting Fixtures	\$250,000.00	\$1,000,000.00
Aeronca, Inc.	MD-95 Tail Section (replacement for DC 9)	\$1,000,000.00	\$11,000,000.00
Indevco Corporation	Electrical Circuit Conduit Spring Loaded Lock Nut	\$150,000.00	
Visi-Trak Corp	Die casting process monitoring and control systems		\$600,000.00
Brain Actuated Technologies, Inc.	Brain Wave Transmissions	\$350,000.00	
Orbital Research, Inc.	Controller for flight control systems		
Ultrasonic Products, Inc.	Super Critical Fluid Cleaning	\$100,000.00	\$250,000.00

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
American Cellulose Extrusion Corp.	Waste Plastic and Saw Dust Conversion	\$500,000.00	
American Welding and Manufacturing	Seamless Rolled Rings	\$500,000.00	
Betty Systems Inc.	Universal Remote Control	\$175,000.00	\$400,000.00
Diamond Fiber Composites, Inc.	Carbon Fibers	\$100,000.00	
Isolab, Inc.	Free-cast Gels		
Lehr Precision Inc.	Electrochemical Machinery	\$700,000.00	\$700,000.00
Spectra Research	Commercialization of SBIR's	\$500,000.00	\$1,000,000.00
SRICO	Fiber and Integrated Optics Technology	\$400,000.00	\$1,000,000.00
Sytronics, Inc.	Computer System for Golf Course Management	\$600,000.00	\$600,000.00
Visual Information Institute, Inc.	Video Test Instruments	\$500,000.00	\$1,500,000.00
Operation Analysts	Virtual Reality Education	\$500,000.00	
Napco, Inc.	Trapped Air Blow Molding Technology	\$50,000.00	\$50,000.00
Globetech Exchange	Working capital for contract software business	\$500,000.00	\$1,100,000.00
ChipWorks	Proprietary Application Specific Integrated Circuits (ASIC's)	\$500,000.00	\$2,000,000.00
Selective Environmental Technologies, Inc. (SELEN)	Install MAG*SEP Manufacturing Plant at Mound	\$100,000.00	\$325,000.00
Metal Stampings Unlimited	Metal Stamping and Fabrication Start Up	\$100,000.00	
Quality Sub Assemblies	Electrical components caddy	\$500,000.00	
Precision Metal Forming Co.	Precision Project Title	\$500,000.00	\$2,800,000.00
Advanced Creations, Inc.	OASIS Aircraft Cockpit Instrumentation Software	\$500,000.00	\$1,000,000.00
Turbogen	Turboelectric Generators	\$500,000.00	\$3,500,000.00
4th Power Engineering	High Temperature Paper Dryer		
Global Quality Services, Ltd.	nCompass Decision Support System (software)	\$350,000.00	\$350,000.00
Integrity Investment & Service Corp.	General Securities Broker	\$250,000.00	\$250,000.00
Synergistics, LLC	PREVAIL Software	\$450,000.00	\$4,200,000.00
Highway Safety Vision Corp	The Highway Beacon	\$100,000.00	
Mound Metallurgical, Inc.	Working Capital for Equipment Purchases from DOE/Mound	\$500,000.00	\$850,000.00
Precision Patterns	Refinancing	\$500,000.00	
Secure 1, Inc.	Unit Dose Dispensing Equipment for Hospitals, Nursing Homes and Alternative Care	\$500,000.00	\$2,200,000.00
The ATTIA Applied Sciences Company (TAASC)	Aerogel Sorbents Pilot Plant	\$500,000.00	\$2,500,000.00
LightForce	Fibre Channel Ethernet LAN Products		
Datec	Research Engineering Services		
Birac Corporation	New Alloy Casting Process	\$100,000.00	\$200,000.00
American Cybercasing Corporation	Internet publications for educational institutions	\$500,000.00	\$1,800,000.00
J.D. Knox Group	Knox's Laser Color Recorder	\$500,000.00	\$2,000,000.00
Triangle Tool Company, Inc.	Minority machine shop expansion	\$50,000.00	\$50,000.00
Precise Rigors & Erectors	Equipment Rigging Company	\$100,000.00	
Digital Technology, Inc.	Electronic business/buy-out	\$500,000.00	\$3,000,000.00
Orbatek, Inc.	Nuclear Space Tug	\$500,000.00	\$1,215,125,000.00
Sheet Dynamics	Sheet Metal Galvanizing Process	\$500,000.00	\$1,000,000.00

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
Moore Quality Tooling, Inc.	Expansion of business due to new G.M. Contracts	\$500,000.00	\$1,100,000.00
Perfect -A-Tec	Minority Manufacturer/Certified Supplier to G.M.	\$500,000.00	
Northcoast Crystals, Inc.	Diamond Thin Film Technology	\$500,000.00	\$800,000.00
ARTomation (Advanced Robotics Technology, Inc)	Company produces robot controlled spray painting systems	\$500,000.00	
Rainbows, Inc.	Ozone Air Purification Systems	\$500,000.00	\$500,000.00
Satellite Engineering	Ultra-light aircraft manufacturing	\$500,000.00	\$2,000,000.00
Super Conductive Components, Inc	Superconducting Levitators	\$500,000.00	\$1,000,000.00
K. Systems Corporation	Diamond Coating	\$500,000.00	\$3,500,000.00
EUCLID Systems Corporation	Precision Ophthalmic Diagnostic Devices	\$500,000.00	\$1,200,000.00
Commander-Aero, Inc.	ORENDA 600 Powered Aero Commanders	\$500,000.00	\$7,500,000.00
Performance Financial Corporation	Working capital to start up commercial lending company	\$500,000.00	\$2,000,000.00
AMT Systems Engineering	Action Learning	\$500,000.00	\$3,000,000.00
Harmon Technical Coatings, Inc.	Powder Coating for Automotive, Appliance and General Metal Industries	\$500,000.00	\$1,000,000.00
ElectroJet Company	Electro-Jet Company Defense Conversion	\$400,000.00	\$1,000,000.00
The Environmental, Health & Safety Network, Inc. (	The Environmental, Health & Safety Network	\$100,000.00	\$1,000,000.00
Gas Research Institute (GRI)	Joint venture on natural gas industry development	\$500,000.00	
Integrated Composites	Working Capital for Composites Production	\$500,000.00	\$2,000,000.00
Cold Jet, Inc.	Dry Ice surface cleaning equipment	\$87,000.00	\$123,000.00
Pangaega Corporation	Interactive CD ROM (recording industry)	\$100,000.00	\$250,000.00
Graceway	Privatize isotope Sales business at Mound	\$500,000.00	\$3,000,000.00
OSU Aerospace Engineering	Pilot Computerized Based Training - Phase 2 STTR	\$500,000.00	\$3,000,000.00
Technology Management, Inc.	Solid Oxide Fuel Process for Natural Gas	\$500,000.00	\$900,000.00
C.J. Laser / Diamond Laser International, LTD.	Solid State Laser Technology	\$500,000.00	\$1,000,000.00
ESSCORP, Inc.	Automated Material Handling Equipment and Systems	\$500,000.00	\$2,500,000.00
Telesuite Corporation	Teleconferencing Company	\$500,000.00	
TechniSoft, Incorporated	Productivity Improvement Software	\$50,000.00	\$50,000.00
G. H. Distribution, Inc.	Full Body Armor	\$50,000.00	\$150,000.00
Meteoar Motor Car Company	Mini & mid-size Hearse Manufacturing	\$500,000.00	\$5,868,000.00
Hollander Industries	Acquisition of Aluminum Die Caster	\$300,000.00	\$9,200,000.00
PhytoLife Sciences Incorporated	Second Round Financing - Specialty Chemicals	\$300,000.00	\$900,000.00
Renaissance Engineering	Second Round NCIC Financing - MASS System	\$500,000.00	\$1,500,000.00
Tetra Sports Corporation	All Composite Ski Boots		
Miller Company	Garage Door Installation and service	\$500,000.00	\$600,000.00
Rapid Product Development	Sonar Pool Alarm	\$500,000.00	\$500,000.00
Superconductive Components, Inc.	High temperature ceramic superconducting powder	\$200,000.00	
Tescon, Inc.	steel framed houses	\$500,000.00	\$1,260,000.00
Versyz, Inc.	SILAS Software System		
Jim Thompson	Coal Desulfurizing System		
Cercana	Foamed Ceramics for Environmental Remediation	\$200,000.00	\$200,000.00

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
Innovative Building Components, Inc.	Poly-Baluster Buyliding Components		\$130,000.00
TransWave International, Inc.	Second Round Financing	\$180,000.00	\$820,000.00
Gay Guard- Inc.	Electric Utility Safety Products	\$350,000.00	\$350,000.00
Diagnostic Instruments, Inc.	Interventional Magnetic Resonance Imaging (I-MRI)	\$500,000.00	\$350,000.00
Creative Coatings Corporation	Silicone based, environmentally friendly coatings	\$400,000.00	\$400,000.00
Matrix Systems, Inc.	Software Development		
Precision Temp, Inc.	Instantaneous Hot Water and Temperature Control	\$500,000.00	\$850,000.00
DataCorp	Start Up Database Services Company	\$500,000.00	\$500,000.00
ARA Coatings, Inc.	Wear Resistant Coatings	\$500,000.00	\$1,000,000.00
ADPI	Computer Board Technology		
Symvionics, Inc.	Virtual Reality Technology	\$500,000.00	\$850,000.00
Murray City Freezer Storage	Business Acquisition	\$500,000.00	\$4,000,000.00
Grief Brothers Corporation	Manufacturing expansion		
Mind Storm Entertainment, Inc.	Multi Layer Conformable Support System		
Responsible Alternatives, Inc.	Chrome Plating Emission Elimination Device	\$500,000.00	\$425,000.00
Faraday Technology, Inc.	Electrochange Lead-Tin Recovery System	\$207,000.00	\$496,000.00
Conrad Aviation Technologies, Inc.	Remote Sensing Services	\$500,000.00	
Top Biomedical	Environmentally Friendly Biomedical Stuff		
Maverick Corporation	1996 Emerging Technology Award Winner	\$500,000.00	\$1,600,000.00
Seller Pollution Control Systems, Inc.	Production of Abrasives Products from Hazardous Wastes	\$500,000.00	\$3,486,010.00
Industrial International, Inc.	III Systems Rapid Tooling Technology	\$750,000.00	\$2,500,000.00
Torax, Inc.	Transmission Technologies	\$500,000.00	
J.W. Blair Company	Adhesive Dispensing Equipment	\$750,000.00	\$2,000,000.00
Delta Power Supply	Balasts for High Intensity Lighting Systems	\$100,000.00	
Leever's Grinding, Inc.	Precision Grinding (Aerospace)	\$500,000.00	
The Dynatron Company	Pacemaker	\$450,000.00	\$450,000.00
Veracor Composite Technologies	Pultruded Plastics Products	\$500,000.00	\$1,000,000.00
Innovative Controls, Inc.	Jet-Axial Fluid Control Valve	\$400,000.00	\$8,500,000.00
Gevers Aircraft, Incorporate	The Genesis Aircraft	\$500,000.00	\$2,300,000.00
Pythia Corporation	Integrated Legislative Software and Hardware Products	\$400,000.00	\$1,500,000.00
Franklin Pharmaceuticals, Inc.	Over the Counter Skin Care and Wound Care Products	\$45,000.00	\$255,000.00
IMS/RD Robotics Welding	Robotics Overlay Welding of Motion Systems	\$37,500.00	\$225,000.00
Intrepidus, Inc. & Visinetics Consortium	Touch Screen Technology - Virtual Pointing Device	\$400,000.00	\$800,000.00
ICOR International	EPA and UL Approved Freon Replacement	\$400,000.00	
Biocrystal, Ltd.	Biocrystal	\$500,000.00	\$2,000,000.00
Noteworthy Medical Systems, Inc.	Automated Patient Record Management System	\$500,000.00	
RadioStorm Inc.	Radio Stuff In Stormy Weather	\$500,000.00	
AgilTech, Inc.	Edison IAMS Center Software Commercialization	\$500,000.00	\$2,500,000.00
The Ross Group, Inc.	Data Base Systems & Integration	\$500,000.00	

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
Unicom Systems, Inc.	Criminal Software	\$500,000.00	\$1,500,000.00
Snow Aviation, Inc.	Purchase FOKKER Aircraft and move to Columbus, Ohio	\$500,000.00	\$50,000,000.00
DM2 Solutions, Inc.	CD-ROM Development (Baseball)	\$225,000.00	\$225,000.00
Navion Holdings, Inc.	Manufacturing and Sales of the Navion Aircraft	\$500,000.00	\$2,000,000.00
Jingle Environmental Technologies and Services	Ionic Lead Analysis in Human Blood	\$500,000.00	\$2,000,000.00
Docosa Foods, Ltd.	Omega-3 Food Supplement	\$500,000.00	\$2,000,000.00
Microsolid Solutions	Computer Aided Design, Manufacturing, Engineering Software	\$500,000.00	\$10,000,000.00
Datalytics, Inc.	Internet and Web-based Products	\$100,000.00	
Yellow Springs Optical Sensor Company	Fiber Optic Chemical Sensors	\$100,000.00	
Preston's Repair and Welding, Inc.	The Tank Jockey	\$500,000.00	\$7,000,000.00
NOXSO Corporation	Simultaneous Sulfur Dioxide and Nitrogen Oxide Removal Demonstration	\$200,000.00	
BFD, Inc.	Co-continuous ceramic composite materials	\$500,000.00	
Delta H Systems, Inc.	Diagnostic System for combustion & Control Systems	\$1,700,000.00	\$1,700,000.00
Mosshaim Global Consulting	Vitro Ceramic Tablet Cookers	\$250,000.00	\$475,000.00
UTECOM	Multimedia Communication	\$500,000.00	\$34,367,000.00
National Center for Composite Systems Technology	Develop and Build Prototype P4A Facility	\$500,000.00	\$3,000,000.00
Stampede Technologies, Inc.	Remote Access Software Solutions	\$500,000.00	\$600,000.00
Apache Technologies, Inc.	Laser Sensor Technology	\$40,000.00	\$100,000.00
Wright Materials Research Co.	Resin Transfer Molding with Flexible Tooling	\$500,000.00	\$1,200,000.00
TattleTale Portable Alarm, Inc.	Portable Wireless Cellular Security System	\$500,000.00	
Digit, Inc.	TRIPS electroplating process	\$500,000.00	
Vapor Systems Recovery, Inc.	Dispensing Equipment for the Petroleum Industry	\$500,000.00	\$600,000.00
Blue Chip Computer & Info-Centric	Info-Centric	\$500,000.00	\$2,000,000.00
Organic Waste Systems	Compost Plant Acquisistion	\$500,000.00	\$23,000,000.00
ECG Scanning & Medical Services, Inc.	Cardiology Diagnosis	\$500,000.00	\$8,500,000.00
GyneConcepts	Privacy Pap Smear System	\$150,000.00	\$340,000.00
Apex Technical Products - Second Round	ProSep 800 Gas Chromatography Equipment - Second Round Financing	\$500,000.00	\$2,500,000.00
Synthetic Blood International, Inc. (SYBD)	Production and Sales of Synthetic Blood	\$300,000.00	\$1,200,000.00
Columbus Jack, LLC	Hydraulic Aircraft Jacks	\$240,000.00	\$1,900,000.00
Dayton Alloy Wheel	Acquisition of Chrome Plating Operation	\$750,000.00	\$5,000,000.00
Megalinx Communications, Inc.	Compressed, Bi-directional Voice Transmission Technology	\$500,000.00	
Pinnacle Technologies	Company produces medical industry equipment.	\$500,000.00	\$500,000.00
Polymetrics Corporation	Reinforced Foam Composite (synthetic wood)	\$750,000.00	\$10,000,000.00
Cybo Robots	robot workcell integrator	\$750,000.00	\$2,500,000.00
Sarase Medical Corporation	Thermo Flo System 3	\$500,000.00	\$2,000,000.00
Micro Medical Devices, Inc.	Micro Surgical Instruments	\$750,000.00	\$2,500,000.00
Cooling Technologies llc	Gas Fired Air Conditioners (Ozone Friendly)	\$750,000.00	\$2,500,000.00
Decca Medics, Inc.	LifeBelt First Responder (Circumferential CPR)	\$500,000.00	\$800,000.00
Therasy, Inc.	CID Mark 1 (Passive Pneumatic Irraction Device)	\$500,000.00	\$1,000,000.00

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

**Other Funds Leveraged, \$**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
MACNA	Distribution of DeDietrich Cast Iron Boilers	\$500,000.00	
National Labs, Inc	Re-capitalization	\$750,000.00	\$1,900,000.00
Enginetics	Growth Company	\$500,000.00	
IRIS Powder Coatings, Inc.	Powder Coating Start up	\$100,000.00	\$350,000.00
Solar Universal Technologies, Inc.	Ion Exchange Resin Manufacture	\$600,000.00	\$1,000,000.00
Booksite	Web Site Commerce	\$500,000.00	
Electronic Meters, Inc.	Electronic Electric Meter	\$500,000.00	
Particle Reduction Technologies, Inc.	Particle Size Reduction Technology	\$500,000.00	\$2,000,000.00
Ground Systems, Inc.	Collision Avoidance System	\$200,000.00	\$200,000.00
Tenibac LLC	Plant expansion & Equipment Purchase	\$750,000.00	\$2,000,000.00
Adaptix	Business Expansion - Industrial Software	\$500,000.00	
Summa Technology Group, Inc.	Computerized Patient Records Management System	\$750,000.00	\$3,000,000.00
Tropical Island Beverage Company	"New Age" Beverage	\$100,000.00	\$500,000.00
PHE Development	Plate Heat Exchanger Manufacturing and Service	\$750,000.00	\$3,300,000.00
Infermedius, LLC	Computer Aided Design Integration Software	\$100,000.00	\$500,000.00
Technology Transfer, Inc.	Portable Electrocardiogram	\$500,000.00	\$3,000,000.00
The Nillar Group	Unique Golf Club Design/ Trojan Horse	\$500,000.00	\$1,000,000.00
Avtech	Distance Learning & Communication	\$100,000.00	\$100,000.00
The Alpha Group of Ohio	Technology Commercialization	\$100,000.00	\$100,000.00
Gas Turbine Lab - OSU	Install Large Engine (45,000 pound thrust) in Gas Turbine Lab	\$200,000.00	\$1,700,000.00
Manchester Manufacturers, Inc.	Refinace	\$750,000.00	\$1,000,000.00
Alpha Engines Corporation	Clean Air Turbin engine Technology	\$500,000.00	\$9,500,000.00
Jump Stretch, Inc	Rubberband, resistant physical training program	\$500,000.00	\$2,500,000.00
Benthamite Corporation	Furnace injected Super Sorbants	\$60,000.00	\$60,000.00
RMC	Recapitalization of the operation	\$285,000.00	\$285,000.00
Media Consulting Incorporated	Corporate Internet training services	\$500,000.00	\$2,500,000.00
The Gullammar Company	Subsonics Technology	\$500,000.00	\$2,000,000.00
Crossroads Tubular Manufacturing	Expansion Financing/Re-financing	\$500,000.00	\$4,600,000.00
Jekyll & Hyde	Marketing & Catalog Company	\$300,000.00	\$300,000.00
STOA International, LLC	Web based Software Solutions	\$750,000.00	\$1,600,000.00
Phoenix Coffee & Tea Company, Inc.	Coffee Distributor	\$500,000.00	\$500,000.00
Leveraged Solutions, Inc.	OptiLoad & OptiScript Software	\$750,000.00	\$2,500,000.00
Glago, Ltd.	Object-oriented software interface	\$750,000.00	\$4,000,000.00
Equitylne Systems, Inc.	"Injex", Needle Free Drug Injection Device	\$500,000.00	\$500,000.00
GESCO Corp.	Golf Green Reader	\$500,000.00	\$846,500.00
Replex Plastics, Inc.	Extruded Color Acrylic and PET Sheets	\$750,000.00	\$4,800,000.00
LottoFacto Ltd.	LottoFacto Printing and Publishin	\$500,000.00	\$3,600,000.00
Viewpoint Medical	fiberoptic bronchoscope	\$500,000.00	
Goodwin, McFarland & Thomas	quantitative & numerical methodology for health care applications	\$20,000.00	

SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001

Other Funds  
Leveraged, \$

NCIC Amount, \$

Product/Project Title

Company Name

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
Selcon, Inc.	Seismic & mechanical shock absorption technology	\$750,000.00	\$1,000,000.00
Blue Star Technologies	Inkium IIm Oxide PVD Targets and Printing Inks	\$750,000.00	\$3,500,000.00
International TechneGroup Incorporated	Quality Function Deployment Software	\$750,000.00	\$1,255,000.00
Lights Out Software, Inc.	Equipment Automation Software/Semiconductor Industry	\$500,000.00	\$2,000,000.00
Road Vision Technologies	Highway Beacon	\$750,000.00	\$2,000,000.00
Mitfex Systems corporation	Specialized Database Administration	\$600,000.00	\$600,000.00
Tolon Technology, Ltd.	Digital Healing Aid	\$750,000.00	\$3,000,000.00
Integra Group	Managed Care	\$500,000.00	\$2,000,000.00
Stellar International, Inc.	Home Scentsations, Hand Crafted Candles	\$500,000.00	\$825,000.00
Elephant Balls, Ltd.	Billiard Supplies	\$300,000.00	\$300,000.00
Design Evolution 4, Inc.	Composite Electric Vehicle Chasis	\$750,000.00	\$8,000,000.00
Gemini Software Solutions	Expansion	\$800,000.00	\$850,000.00
Water Refining, Inc.	Cross Flow Filtration Systems	\$250,000.00	\$1,000,000.00
OnSpec Composites, Inc.	SPECWOOD, STRUCTURAL COMPOSITES	\$120,000.00	\$250,000.00
Corporate Strategic Services, Inc.	Procurement Systems	\$750,000.00	\$1,300,000.00
Fundscapo, Inc.	Financial Services Software	\$400,000.00	
Trans Telecom	Automatic Return Call Technology (ARD-TECH)	\$750,000.00	\$2,000,000.00
Cyberlight Communications, Inc.	Telecommunication & Networking solutions	\$500,000.00	
Advanced Health Products	Personal Hygiene Product	\$500,000.00	
Voice Central, LLC	Interactive Telecommunications Company	\$750,000.00	\$2,000,000.00
Universal Purifying Technologies, Inc.	Tire Recycling	\$750,000.00	\$4,000,000.00
Zerco Systems International, Inc.	Image Based Smart Card Technology	\$500,000.00	\$2,000,000.00
IC3, Ltd.	Internet Commerce Company	\$250,000.00	\$500,000.00
Local Universe, Inc.	Internet Commerce	\$250,000.00	\$500,000.00
Vertical Mobility	Handicapped Accessibility Devices	\$400,000.00	\$800,000.00
Icore Technologies, Inc.	Computer Cluster Technology	\$187,500.00	\$937,500.00
National Fruit & Vegetable Technology Corp.	Production of microwave processed potatoes	\$750,000.00	\$2,000,000.00
All-Stater Publishing LLC	High School Athlete Magazine	\$750,000.00	\$2,000,000.00
Resource Processing Technologies	Recovery of Calcium Oxide (CaO) from Paper Mills	\$750,000.00	\$2,500,000.00
Aircraft System Limited Company	Aircar Jet, six place carbon commercial jet	\$750,000.00	\$24,000,000.00
Enterprise Action Group	Enterprise Software	\$750,000.00	\$29,000,000.00
Ohio Technology Corporation	Construction Industry Software Development	\$325,000.00	\$325,000.00
View Point Lasers, Inc.	Handheld programmable laser presentation device.	\$500,000.00	\$1,200,000.00
Earthforce Ltd.	Fiberglass Waste Recycling	\$500,000.00	\$3,000,000.00
Americore Technologies, Inc.	Core Master Manhole removal devise	\$500,000.00	\$1,000,000.00
New Millennia Solutions, Inc.	On-line Grocery Shopping Software	\$500,000.00	\$750,000.00
Azure Waves Seafood, Inc.	Breaded Gourmet Seafood Products	\$667,834.00	\$1,162,334.00
PhytoPharmaceuticals, Inc.	Phytochemical Products	\$750,000.00	\$1,500,000.00
Premier Courier, Inc.	Cutler Service	\$750,000.00	\$2,000,000.00

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
Enact Incorporated	Sales Configuration Software	\$750,000.00	\$1,500,000.00
General Innovations & Goods, Inc.	CREON 2000 Ultraviolet Air Purification System	\$1,200,000.00	\$1,200,000.00
Sam Katz & Company	Illuminari Reclamation (Re-finance)	\$1,500,000.00	\$4,000,000.00
Concentus Technology	Workflow management systems for businesses	\$750,000.00	\$5,000,000.00
CIMX	Manufacturing Management Software	\$750,000.00	\$3,000,000.00
Arkios BioDevelopment International	Contract Research Organization	\$750,000.00	\$5,000,000.00
GeoTech Chemical Corporation	Corrosion Control Coatings	\$75,000.00	\$1,000,000.00
Next Generation	Diet Supplement	\$500,000.00	\$1,000,000.00
BPF, Incorporated	Environmental Remediation in Texas and New Mexico	\$150,000.00	\$500,000.00
DK Products	BMX Bicycle Manufacturer	\$600,000.00	\$600,000.00
BPF Incorporated	Environmental Remediation Service Company	\$150,000.00	\$500,000.00
Sharon Company	Minority Based Acquisition/Steel Stair Designer	\$750,000.00	\$7,000,000.00
Business Media and Data Systems	Bar Code Printing Supplies and Equipment	\$500,000.00	\$2,000,000.00
Automated Workplace Safety, Inc.	WHAM Workplace Hazard Management Software	\$500,000.00	\$1,500,000.00
Noelle's Sweet Treats	Candy Manufacturer	\$750,000.00	\$5,000,000.00
Marengo Warehouse	Just In Time Warehouse for Automotive Industry	\$160,000.00	\$22,160,000.00
Antique Networking, Inc.	Antique E-Commerce	\$500,000.00	\$1,000,000.00
Sensor Technology Applications, Inc.	Dosimetric System	\$500,000.00	
Rockaway Check Cashing Group	Leveraged Buy Out Check Cashing Operation	\$500,000.00	\$2,000,000.00
Multiplicity, LLC	Capacity Management Software	\$500,000.00	\$2,000,000.00
Opilcon Medical, Inc.	Opilcon, disposable valved catheter	\$750,000.00	\$4,750,000.00
Upper Mohawk, Inc.	Consult on 8a contracting	\$500,000.00	
Amazing Automotive	Truck Assyory Super Store	\$500,000.00	\$2,200,000.00
Masterpiece Software, LTD	MOMENT Productivity Software	\$500,000.00	\$500,000.00
Five Star Technologies	Controlled Flow Cavitation	\$500,000.00	
Sidney Levy and Associates	CHASID Medical Device (Erectile Dysfunction)	\$500,000.00	\$7,000,000.00
DisaView Corporation	LiquaVision, Industrial Control Instrument	\$500,000.00	
Customer Data Services	Retail Database Management	\$500,000.00	\$2,500,000.00
Lumitex, Inc.	Engineered Lighting Components	\$500,000.00	\$1,000,000.00
Technology Solutions, International	Rhino Pallets, Blow Molded Foam Pallets	\$750,000.00	\$9,000,000.00
Logic Instrument Corporation of America, Inc.	Ocular DigScope	\$500,000.00	\$2,450,000.00
Guest Associates, Inc.	Technical & Management Consulting	\$500,000.00	
Microgravity Research Associates	Electro-Epitaxial Crystals	\$500,000.00	\$5,000,000.00
Intelecare, Inc.	Customer Relationship Management solution	\$750,000.00	\$5,000,000.00
MicroSys, Inc.	BioSys System, Computerized Microbiology Testing	\$500,000.00	\$1,293,214.00
MedPlus, Inc.	Enterprise Wide Pallant Management System	\$500,000.00	\$7,000,000.00
SIM-U-FIT	Swimming Simulator	\$250,000.00	\$6,000,000.00
Tri Max Tool & Mold	CNC Equipment Acquisition	\$45,000.00	\$45,000.00
Dynamatrix Company	recycled Rubber Floating Mat	\$500,000.00	\$500,000.00

SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
Imagine Products, Inc.	Video Cataloging Products	\$750,000.00	\$5,100,000.00
Regen Incorporated	Traveler 2000, exercise unit	\$42,000.00	\$42,000.00
The Internet Advisory Corporation	Internet Web Design & Hosting Company	\$750,000.00	\$5,000,000.00
Bishop-Ashby Enterprises, Inc.	Hybrid Tilapia Fish Farm	\$500,000.00	\$2,500,000.00
PowerWay, Inc.	Corporate Merger - Cententus and Powerway	\$750,000.00	\$2,250,000.00
First Principals, Inc.	Potential NCIC co-investor	\$50.00	
Allan Worldwide Marketing, Ltd.	Stik-Safe Needle Disposal	\$750,000.00	\$5,000,000.00
NaBarCo, Inc.	Acquisition of multiple trucking companies	\$750,000.00	\$5,000,000.00
Millennium Fabrics	Hydro Entangling Material Manufacturing	\$750,000.00	\$10,075,049.00
MiracleBeam, Inc.	Multiple Laser Products	\$500,000.00	\$1,000,000.00
ECM Biofilms, Incorporated	Biodegradable plastics manufacturing	\$500,000.00	\$2,000,000.00
American Nutraceuticals, Inc.	Disease-specific and Medical Foods	\$500,000.00	\$1,000,000.00
Digital Media Incorporated	Interactive Educational software/Graphic Arts Industry	\$500,000.00	\$3,000,000.00
BrowseSafe, LLC	Targeted Internet Browsing Software	\$500,000.00	\$3,000,000.00
Environmental Technology Company	Recycled Plastic Guardrail Posts & Stand-off Blocks	\$750,000.00	\$2,000,000.00
Advanced BioSensors LLC	Needle-Type Glucose Sensor	\$500,000.00	\$4,000,000.00
Spaceboard Industries	LoVAC Pallet Technology	\$750,000.00	\$10,000,000.00
Software Management Group, Inc.	Order Entry & Billing Software	\$500,000.00	\$1,000,000.00
Consumer Central.com, Inc.	Internet Site for Consumer Input to Manufacturers	\$750,000.00	\$750,000.00
Home Revisions	Barrier-free Products & Services	\$500,000.00	\$1,200,000.00
MBG Technology, Inc.	Photodynamic Therapy Lamp	\$500,000.00	\$1,050,000.00
Aqua Jet corporation	JetBike Recreational Water Craft	\$500,000.00	
VirtualWorks.net Limited	Internet Information Center for Environmental Health & Safety	\$350,000.00	\$350,000.00
Epsilon Materials, Inc.	Electromagnetic Shielding	\$400,000.00	\$2,000,000.00
Western DataCom Co., Inc.	Data Communication Security Products	\$750,000.00	\$1,500,000.00
Free World PC	Single Service (hardware/software) Internet Access	\$750,000.00	\$40,500,000.00
Partners in Scientific Computing (PSCICO)	Scientific Software & Training Movies Distribution	\$750,000.00	\$8,000,000.00
Spray Forming International, Incorporated	Spray forming plant construction	\$750,000.00	\$3,500,000.00
Optical Coherence Technologies, Inc.	Optical Coherence Tomography	\$500,000.00	\$2,000,000.00
Ashworth Materials Group	Magnetic Materials	\$750,000.00	\$4,000,000.00
Regent Systems, Inc.	Information Technology Integration	\$200,000.00	\$1,000,000.00
AMS Technology, Inc.	Medical Database Software	\$300,000.00	\$300,000.00
Global Technology Business Systems, Inc.	CareTrak Software for Long Term Health care Facilities	\$500,000.00	\$1,200,000.00
Amuseneering Studios, Ltd.	Developer, Aggregator and Publisher of Internet products	\$750,000.00	\$2,850,000.00
Western Product Recovery Group, Inc.	Agricultural Waste Stream Recovery	\$500,000.00	\$8,000,000.00
CyStorm, Inc	Internet Interactive Communication Company	\$750,000.00	\$2,565,000.00
Thermo Tech Systems, Incorporated	Thermoplastic Powder Coatings	\$750,000.00	\$2,300,000.00
Global Tech Building Systems, Inc.	Insulating Concrete Form System	\$500,000.00	\$1,000,000.00
MTR Marfco	Lumber and pulp products	\$750,000.00	\$1,750,000.00

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
Mound Metrology	Acquire equipment from Sheffield	\$200,000.00	\$500,000.00
NuPath Technologies LLC	Acquisition of INTREK	\$350,000.00	\$1,200,000.00
Hoffman Electronics, Inc.	Touchloc	\$500,000.00	\$500,000.00
Anthem, Inc. dba. The Home Fire Shield	The Home Fire Shield	\$250,000.00	\$1,000,000.00
Disfa View Corporation	LiquaVision	\$400,000.00	\$1,000,000.00
AERS Midwest	System for Onboard Lift Analysis	\$500,000.00	\$3,000,000.00
Aerostar Aircraft Corporation	Aerostar Jet	\$500,000.00	\$45,000,000.00
HESS Advanced Technology, Inc.	Plastic Transparency Coating Technology	\$750,000.00	\$2,225,000.00
Paramount Plastics & Polymers	Digital Graphics Products	\$500,000.00	\$990,000.00
BH Thermal Corporation	Flexible Heating Control Systems & Components	\$500,000.00	\$2,000,000.00
MedSonics US, Inc	Lifelight Ultrasound Digital Imaging	\$500,000.00	\$1,200,000.00
Shield & Bolt Power Systems, Inc.	On-Site Power Systems	\$500,000.00	\$1,000,000.00
Graybook Software	Software product for project management system	\$300,000.00	\$350,000.00
National Sorbents Incorporated		\$500,000.00	\$750,000.00
Video Instruments	Non-Broadcast Video Equipment Tester	\$750,000.00	\$1,000,000.00
Cutanogen Corporation	Cultured Skin Technology	\$500,000.00	\$3,300,000.00
ContinuousPlay, LLC	CD/Internet Business	\$750,000.00	\$2,800,000.00
The Malibu Group	GETREALGOLF.COM Internet Site	\$750,000.00	\$10,000,000.00
Tri State Finishing Services, Inc.	Autophoretic Coating	\$350,000.00	\$1,800,000.00
Estate Information Network, Inc.	Probate Court Claims Software	\$500,000.00	\$500,000.00
CTG, Inc.	Computer Technology Group	\$500,000.00	\$2,000,000.00
Lotus Mallorca S.L.	Tourist Attraction	\$500,000.00	\$2,000,000.00
Party 411.com	e-commerce party planners	\$500,000.00	\$2,000,000.00
Theme-Travel.com	Internet Travel Site	\$500,000.00	\$2,000,000.00
interflo, limited	Advanced Leachate Treatment System	\$500,000.00	\$500,000.00
BeelineShopper.com LLC	Home Retail Utilizing Barcode Scanner Technology	\$400,000.00	\$1,000,000.00
Trifium Network	Internet Media Company	\$500,000.00	\$750,000.00
AM Jet Corporation	Timeshare Corporate Jet Management Facility	\$750,000.00	\$103,303,634.00
Softlynx International	Valospace e-business	\$500,000.00	\$2,000,000.00
Aerial Forestation, Inc.	Massive Quantities of Trees from the Sky	\$750,000.00	\$1,000,000.00
U.S. Document Security Corporation	Document Protection	\$300,000.00	\$600,000.00
Fenix Team, Inc.	e-commerce purchasing platform	\$500,000.00	\$2,500,000.00
Elite PC llc	NetLockers, Web-based file storage and delivery service	\$450,000.00	\$450,000.00
Intellicos Systems LLC	Labor Cost Analysis on the Internet	\$500,000.00	\$2,000,000.00
eCustomer, Inc.	RadioResearch.com	\$500,000.00	\$1,000,000.00
Brimness Corporation	Water Filtration	\$750,000.00	\$2,500,000.00
Cytology Automation, Inc.	AcCell Automate PAP Smear Screening	\$750,000.00	\$4,000,000.00
Technika	Precision Measurement e-commerce sales	\$750,000.00	\$5,050,000.00
this is a 9/9/99 test project	9/9/99 test project	\$500.00	\$500.00

SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
Inventivo International Limited	Multi Lingual Speech Recognition (Internet based)	\$600,000.00	\$6,000,000.00
Dayton Alloy Wheel	Chrome Plating (Aluminum alloy wheels)	\$400,000.00	\$800,000.00
The Surfin Café	Sandwich shop with internet connection	\$500,000.00	\$500,000.00
Maxum Automotive, Inc.	Automotive Running Board Company	\$250,000.00	\$250,000.00
CK Franchising, Inc.	Elderly In-home Care	\$500,000.00	\$500,000.00
egardenpatilo.com	Garden & Patio e-commerce	\$500,000.00	\$500,000.00
Elan Vital, Inc.	Managed Health	\$800,000.00	\$800,000.00
The Business Mentor.com	Business consulting via Internet	\$750,000.00	\$1,500,000.00
HomeInfoLink.com	Virtual Real Estate Office Solutions	\$750,000.00	\$2,000,000.00
BusinessHere.com	Business to Business E-Commerce	\$750,000.00	\$1,500,000.00
Trident Internet Services	Internet Service Provider	\$750,000.00	\$1,600,000.00
H.R. Chally Group	e-Commerce Expansion	\$500,000.00	\$5,000,000.00
Fluifec International	The "RULER" lubricant quality measuring devise	\$500,000.00	\$1,000,000.00
PogoNet International Solutions, Inc.	Full Service Internet Solutions	\$750,000.00	\$5,000,000.00
Bioreflexion Laboratory	Alternative Medicine	\$150,000.00	\$150,000.00
InternetSound.com	Unix-like Operating System	\$750,000.00	\$5,000,000.00
Searchlight eBook Training, Inc.	Portable all digital training system	\$750,000.00	\$1,000,000.00
Rivision 0-fulfillment	e-commerce	\$750,000.00	\$2,000,000.00
Revolutions LLC	Internet Marketeer of Wheelchairs	\$750,000.00	\$1,000,000.00
InterLingua.Com, Inc.	B2B Internet Content Company Expansion	\$750,000.00	\$1,000,000.00
MD Systems, Inc.	CardioGrip, Medical Device	\$80,000.00	\$80,000.00
Stewart Incorporated	Establish Theme Lounge	\$750,000.00	\$1,500,000.00
CerfifiChecks.com	Gift Certificates On-Line		
Energysics Technologies, Ltd.	EnergyBeam Technology		
Pete Bros.	Speedy Pete's Internet Directory	\$500,000.00	\$500,000.00
Alation Systems, Inc.	Wireless Home Networking Products	\$750,000.00	\$5,000,000.00
netresultsinc.com, Inc.	Internet Based Information clearinghouse	\$750,000.00	\$5,000,000.00
Creative Code Solutions	Electronic Commerce Development Company		
InfoCharms	Wireless Computing	\$750,000.00	\$10,000,000.00
Rival99.com	Internet Clothing Sales	\$750,000.00	\$2,000,000.00
findacorp. inc.	Internet Company	\$750,000.00	\$10,000,000.00
ConiRolling Technology, Inc.	Enterprise Control systems for Metal Industries (Internet)	\$750,000.00	\$1,250,000.00
Future Systems International, Inc.	Mail O Matic	\$750,000.00	\$2,400,000.00
Paramount Plastics and Polymers	High quality graphics printing company	\$470,000.00	\$500,000.00
A.F. Kelley	Growth Capital of ERP/e-commerce consulting company	\$750,000.00	\$10,000,000.00
InfoDream Corporation	Move business to Miami Valley	\$500,000.00	\$2,000,000.00
Engineering Design Development Services, Inc.	JenDesk, Stable Desk for Van Based Businesses	\$750,000.00	\$2,000,000.00
MiracleCorp of Australia	Grow Consumer Brand Company	\$500,000.00	\$750,000.00
Trident Networks, Inc.	Web Hosting Organization	\$750,000.00	\$5,000,000.00

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
TIMA	Purchase of DEX Products and relocation to Dayton	\$500,000.00	\$3,500,000.00
e-Containers Incorporated	E-Containers.com	\$500,000.00	\$3,500,000.00
AtHowTo.Com, Inc.	Content Service Provider	\$750,000.00	
C&M Coating and Partitions, Inc.	Construction Company	\$750,000.00	\$2,650,000.00
Airbag Testing Technologies, Inc.	Recycled Airbag Test	\$750,000.00	\$10,000,000.00
Brillech Devices, Inc.	Flat Panel Display (RE Vision)	\$750,000.00	\$6,000,000.00
Indago	Compliance Management Software	\$1,500,000.00	\$1,500,000.00
Megasoft	Business expansion for software service company	\$500,000.00	\$1,000,000.00
inyourimage.com	Three Dimensional Personalized Products	\$400,000.00	\$1,000,000.00
Bosma	Navy Contract	\$750,000.00	\$35,000,000.00
Great Ethnic Food.com	b2c ethnic foods (Internet)	\$750,000.00	\$2,000,000.00
Mountain Monkey.com	Internet Retailer	\$350,000.00	\$350,000.00
Acquire Link	Internet Sales Channel for Manufacturers	\$750,000.00	\$5,000,000.00
Linxonic Corporation	B2B Music Delivery Products	\$750,000.00	\$1,700,000.00
Spata Communications Corp.	Switch Based Telecommunications Company	\$750,000.00	\$2,000,000.00
Ray Franks enterprises, LLC	Precision Cast Cylinder Heads	\$300,000.00	\$300,000.00
Electronic Access, Inc.	Electronic Lien/Registration Processing Applications	\$300,000.00	\$600,000.00
Visitech Consultants, Inc.	Distributor of niche products for doctors	\$500,000.00	\$1,200,000.00
PhotoRevival.com	Photographic Gifts through Internet Sales	\$324,000.00	\$324,000.00
Benke Company, Inc.	Wireless Detection & Security Products	\$750,000.00	\$4,000,000.00
SE Systems, Inc.	Software Driven Automatic Metal Inspection Technology	\$750,000.00	\$1,150,000.00
Jackabyte Entertainment	Multimedia & Software Development Company	\$750,000.00	\$1,500,000.00
MyBARCODE.org dba myUPC.com	Bar Code Verification & Conformance Service	\$750,000.00	\$12,000,000.00
NetworkEvision, Inc.	Internet Driven Kiosk Networks	\$400,000.00	\$400,000.00
VirtWorkz	Localized Working Internal Sites	\$750,000.00	\$3,750,000.00
AuntStella.com lld.	B2C Customized Greeting Card (Internet)	\$750,000.00	\$1,000,000.00
Localville, Inc.	Localized ISP	\$750,000.00	\$2,500,000.00
Market Union.com	Internet Based Health Insurance Quote Service	\$750,000.00	\$5,653,000.00
Percipia Networks	ASP for the Hotel Industry	\$750,000.00	\$1,500,000.00
Ameriserv.net	Total Service Internet Company	\$750,000.00	\$4,000,000.00
Port 18, Inc.	Personal Computer Product (Rachel)	\$750,000.00	\$25,000,000.00
Cycolor, Inc.	Continuous tone dry imaging system	\$750,000.00	\$1,000,000.00
Alexeter Technologies LLC	Biological Analysis Equipment	\$750,000.00	\$3,137,000.00
CyberDof, Inc.	Encoding of advertising information on the Internet	\$750,000.00	\$3,000,000.00
UBIPromo	Internet promotions company	\$600,000.00	\$600,000.00
Specialized Technical Services, Inc.	Low Profile Night Vision Goggle	\$750,000.00	\$8,000,000.00
Zybron Optical Electronics, Inc.	Infrared Imagers	\$750,000.00	\$11,500,000.00
E-Debt Exchange, Inc.	Internet Distressed Debt Broker	\$750,000.00	\$5,000,000.00
unguent Corporation	Internet Data Visualization Software	\$750,000.00	

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
Justwin Technologies	b2b e-commerce apparel/textile industries	\$750,000.00	\$10,000,000.00
Geolert	Mass Media Communication Services	\$750,000.00	\$1,300,000.00
Digison LLC	Ultrasound Equipment Sales & Service	\$100,000.00	\$100,000.00
JobBoard.com	Online Job Board Company	\$750,000.00	\$6,000,000.00
Same Page LLC	B2B Customer Relationship Management	\$750,000.00	\$8,000,000.00
Tend-A-Foot, Inc.	"Shoe Valet" Product	\$250,000.00	\$250,000.00
Black Technology Corporation	Telepharmacy Application Software	\$450,000.00	\$450,000.00
TravelWatch.com	Internet Travel Procurement (TravelTracker)	\$500,000.00	\$2,000,000.00
RxMadesimple.com	Virtual Prescription Fulfillment	\$450,000.00	\$450,000.00
Alliance Aircraft Corporation	Airplane Manufacturer	\$750,000.00	\$250,000,000.00
Gracefulyears.com	Senior Citizen's Central Coordinating Web Site	\$500,000.00	\$500,000.00
OrderGenius	Wireless Internet Supply Chain Management	\$750,000.00	\$3,000,000.00
Market.al, Inc.	Auto-web Building Internet Application Services	\$500,000.00	\$1,000,000.00
The Farmers Diner, Inc.	Regional Diners	\$750,000.00	\$5,000,000.00
The DEDI Group, Inc.	"Missing Link" Desktop EDI Software	\$750,000.00	\$12,500,000.00
AmericanMedCare.com	Medical Data Management Internet Portal	\$750,000.00	\$7,000,000.00
Emergency Management Telecommunications, I	EMTEL Emergency Management Communication	\$750,000.00	\$8,000,000.00
National ChildSupport.com	Internet Enabled Child support Company	\$750,000.00	\$15,000,000.00
FlootingU.com	gateway to the floating industry	\$750,000.00	\$2,000,000.00
GVP Incorporated	Business Automation & Workflow Software	\$750,000.00	\$3,000,000.00
PageGeffer.com, Inc.	Internet Searching via e-mail	\$250,000.00	\$250,000.00
LeflyClub.com	Internet Site Targeting Left Handed People	\$750,000.00	\$8,000,000.00
MailStar, Inc.	Digital Signal Process	\$750,000.00	\$6,000,000.00
TravelPartners, Inc.	Golf Travel Tour Company Expansion	\$750,000.00	\$1,273,780.00
e_Solutions.com	Software Development Company	\$750,000.00	\$750,000.00
MarketBuilders, Inc.	Value Added B2B e-commerce Distribution	\$750,000.00	\$750,000.00
FlexiSTAR.com	One Stop Shop for Web Site Development and Editing	\$500,000.00	\$1,000,000.00
Spectraline Incorporated	Mild Infrared technology	\$750,000.00	\$2,000,000.00
e-Legal Search, Inc.	Software Data Mining	\$750,000.00	\$5,000,000.00
Advanced Products Group, Inc.	Internet Distribution of Aftermarket Auto Parts	\$750,000.00	\$8,500,000.00
NextGen, Inc.	Plastic Disposable Medical Products	\$250,000.00	\$550,000.00
Cabins by the Ridge	recreational Lodging	\$750,000.00	\$75,000,000.00
e-destiny	On Line Distribution	\$750,000.00	\$2,500,000.00
Lord & Castle	Catalog Sales	\$750,000.00	\$1,500,000.00
Totally Crazy, Inc.	Licensed Team Sports Products	\$750,000.00	\$12,000,000.00
T2 Systems, Inc.	Customized Hand Held Hardware & Software	\$500,000.00	\$2,500,000.00
The Haelan Group	Health Care Provider Management System	\$750,000.00	\$3,000,000.00
Officescapes	B2B Office Floral Arrangements	\$750,000.00	\$50,000,000.00
Elcotel, Inc.	Software & Internet Development	\$750,000.00	\$750,000.00

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
churchfinder.com	Religious Infiltration Data Base	\$750,000.00	\$1,000,000.00
Transclick, Inc.	Advanced Computer Transation (ASP)	\$750,000.00	\$5,000,000.00
Electric Vehicles International, Inc.	Electric Vehicles	\$750,000.00	\$5,000,000.00
StrollerFit	Product & Franchise Launch	\$750,000.00	\$1,500,000.00
Strategic Momentum, Inc.	Software Development Company	\$300,000.00	\$300,000.00
Global Hybrid Networks	High Speed, High Bandwidth DSL Access	\$750,000.00	\$5,000,000.00
National Child Support.com	Internet Child Support collections	\$750,000.00	\$222,500.00
ConnectedCampus.com	Internet Post Secondary School Search Tool	\$750,000.00	\$3,000,000.00
Cornerstone Federal Bank	Internet Banking	\$750,000.00	\$10,000,000.00
Caretrace, Inc.	Disease Management		
Cimetric Commerce, Inc.	On Line Retail	\$750,000.00	\$25,000,000.00
Chesapeake Composites Corporation	Aluminum Composites	\$750,000.00	\$2,000,000.00
Oxyfast Corporation	Oxypatch, Smart Bandage		
Cercorp Initiatives, Inc.	Titan Wall system Manufacturing Materials	\$750,000.00	\$916,713.00
Backyard Barbeques, Inc.	Golf Ball Shaped Gas Grill	\$750,000.00	\$1,000,000.00
Convenience Companions	Automated Home Cleaning Devices	\$750,000.00	\$15,000,000.00
Perfo Products Manufacturing, Inc.	Female Beauty Products	\$750,000.00	\$2,650,000.00
White Stone Group, Inc.	Healthcare Information Software	\$500,000.00	\$2,000,000.00
Mavrik Motors	reluctance Motor and Drive Technology		
LapStand, Inc.	LapStand , Portable Stand for Notebook Computers	\$750,000.00	\$1,500,000.00
Atlantis Group of Ohio, Inc.	Internet Joint Ventures	\$750,000.00	\$1,000,000.00
ScholarShops, Inc.	Internet Affinity Rebate Shopping Mail	\$750,000.00	\$3,000,000.00
Digital Interface Systems, Inc.	Data Acquisition Systems	\$750,000.00	\$1,000,000.00
Adternity	Internet Advertising/Entertainment Site	\$300,000.00	\$1,200,000.00
GoAntiques, Inc.	Internet Antique Broker	\$750,000.00	\$7,000,000.00
B-Alert, Inc.	911 Emergency Strobe Light & Panic Button	\$750,000.00	\$750,000.00
Mizar Technologies LLC	Global Positioning System	\$750,000.00	\$2,000,000.00
MedBusiness.net, inc.	Doctor Office B2B Services	\$750,000.00	\$10,000,000.00
		\$290,994,618.00	\$3,229,353,174.00

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
<b>Pending Investment Prospects (Application Complete)</b>			
Omega Company, Inc.	Recapitalization	\$750,000.00	\$12,000,000.00
Edenspace Systems Corporation	Phytoremediation - license of Phytolife technology	\$0.00	\$2,000,000.00
Mound Manufacturing Center, LLC	Equipment financing	\$35,000.00	\$313,000.00
		\$785,000.00	\$14,313,000.00

**SUMMARY OF NCIC'S INVESTMENT PROJECTS THROUGH 01/29/2001**

**Other Funds  
Leveraged, \$**

**Product/Project Title**

**NCIC Amount, \$**

**Company Name**

**Pending Investment Projects (Application Incomplete)**

Company Name	Product/Project Title	NCIC Amount, \$	Other Funds Leveraged, \$
SchoolOne.com	ASP Provider for K-12 Education	\$750,000.00	\$1,500,000.00
Hilgraeve, Inc.	Hypersend, Secure Internet Delivery	\$500,000.00	\$5,000,000.00
Thinkronize, Inc.	Internet Academic Research Engine	\$750,000.00	\$15,000,000.00
Cadic Technologies International, Inc.	Thin Wall Stainless Steel Castings	\$750,000.00	\$1,500,000.00
Appointments, Inc.	Professional Scheduling ASP	\$750,000.00	\$2,000,000.00
Construction-Zone, Inc.	Product Data Management Construction Industry	\$750,000.00	\$10,000,000.00
Medituity LLC	Emergency Medical Department Software	\$750,000.00	\$1,200,000.00
PointGlobal	b2b Trade Management Company	\$750,000.00	\$5,000,000.00
Cirus Industries, Inc.	Single Piston All Composite Aircraft	\$750,000.00	\$25,000,000.00
VirtualIntern	On Line Personnel Recruitment	\$750,000.00	\$8,000,000.00
Clareos	Internet Based Analytic Software Solutions	\$750,000.00	\$12,000,000.00
OLO, Inc.	Internet Employee Incentive Program	\$750,000.00	\$1,000,000.00
PacSmart.com	B2B Online Packaging Procurement Center	\$500,000.00	\$3,500,000.00
LDT Systems, Inc.	Location Determination Technology	\$750,000.00	\$1,200,000.00
Shopmyloan.com	Brick & Click Mortgage Services	\$750,000.00	\$5,000,000.00
Cimcor, Inc.	Business Applications & e-commerce Solutions	\$750,000.00	\$5,000,000.00
Everyware, Inc.	Internet Services	\$750,000.00	\$6,000,000.00
RM2M Solutions	e-commerce Infrastructure	\$750,000.00	\$5,000,000.00
CTI Products, Inc.	Control Networking Technology	\$750,000.00	\$2,000,000.00
HealthSource, Inc.	Full Service Allied Health Workforce Management Company	\$750,000.00	\$750,000.00
East3, Ltd.	Advance Feed Back Technology	\$750,000.00	\$6,000,000.00
		\$15,250,000.00	\$121,750,000.00

APPENDIX C

NCIC's CLIENT COMPANIES HAVE BEEN CREATING HIGH VALUE ADDED JOBS

NCIC COMPANIES	DATE APPROVED FOR FUNDING	DATE NCIC SUCCESSFULLY EXITED	ACTUAL EMPLOYMENT									
			1994	1995	1996	1997	1998	1999	2000			
FUNDED INVESTMENT PROJECTS												
APEX TECHNICAL PRODUCTS	22-Apr-96		0	0	4	5	5	5	10		3	
APPLIED SCIENCES/PYROGRAPH PRODUCTS	17-Feb-97		6	6	6	11	17	17	17		23	
BOSMA MACHINE AND TOOL CORPORATION	2-Nov-95	30-Nov-98	85	85	90	93	93	93	93		93	
CENTURY AEROSPACE <sup>1</sup>	16-Feb-96	29-Dec-99	6	11	6	6	8	8	15		50	
CHEYENNE INDUSTRIES	18-Jul-95		0	3	2	0	0	0	0		0	
COLOR SAVVY SYSTEMS, LLC.	20-Mar-97		0	11	11	15	27	43	43		6	
DEEP DISCOUNT NETWORK	27-Jun-95		0	2	6	0	0	0	0		0	
FISHER DATA PRODUCTS	22-Jul-99		0	0	16	20	22	22	22		22	
HEARTLAND AIRLINES	21-Dec-99		0	0	0	0	0	0	14		15	
IAMCARD	7-Jun-96		0	0	2	4	6	6	8		7	
INNOVAN, INCORPORATED	28-Oct-99		0	0	0	0	0	0	8		35	
INTELLIGENT ALGORITHMS	19-Aug-96		0	0.5	6	7	7	7	7		9	
KOHOL	18-Oct-96		27	27	17	14	20	20	0		0	
MASTERS AEROSPACE AND SYSTEMS, INC.	25-Jul-95		6	3	2	2	2	2	0		0	
NEW CARLISLE MANUFACTURING	2-Aug-95		0	3	3	3	4	4	2		2	
PHYTOLIFE SCIENCES, INC.	4-Apr-95		5	6	6	5	5	5	0		0	
PINNACLE PRODUCTS GROUP, LLC	19-Mar-98		0	0	0	2	5	5	6		5	
PRIVATIZER SYSTEMS, INC.	23-Jun-97		0	0	0	10	10	10	10		23	
RENAISSANCE SYSTEMS, INC.	7-Jun-95		0	0	9	13	28	52	52		60	
TIME	4-Apr-95		0	2	2	0	0	0	0		0	
TITUS INTERNATIONAL	6-Jun-96		0	0	2	5	0	0	0		0	
TOUCHLITE INDUSTRIES, INC.	7-Jun-96		0	0	2	4	0	0	0		0	
TRANSWAVE INTERNATIONAL, INC.	21-Jul-95		0	6	8	7	7	7	7		8	
VARIS INCORPORATED	16-Apr-98		7	7	7	38	36	36	36		3	
VOCALEX	17-Jul-96		0	0	1	3	5	5	5		8	
INVESTMENTS			142	173	208	267	307	355	372			
PENDING INVESTMENTS												
SUBTOTAL PENDING INVESTMENTS			0	0	0	0	0	0	0		0	
TOTAL ESTIMATED EMPLOYMENT			142	173	208	267	307	355	372			

## Appendix D - Chronology of Milestones and Results

- 1994 NCIC established with federal appropriation of \$10 million that is distributed through Wright Patterson Air Force Base.
- Ohio legislation HB 715 to establish and provide matching funds for NCIC becomes effective. Legislation titled the Defense Conversion Assistance appropriates \$7 million for NCIC.
- 1995 State of Ohio accepts the NCIC Operating Plan and Budget.
- First loan awarded to PhytoLife Sciences Inc., Columbus, Ohio
- NCIC ended 1995 with 8 investments in its portfolio which employed 142 persons.
- Revenues for NCIC's portfolio companies exceeded \$10 million in 1995.
- 1996 NCIC ended 1996 with 14 investments in its portfolio which employed 173 persons.
- Revenues for NCIC's portfolio companies exceeded \$18 million in 1996.
- 1997 Request submitted to the Ohio Attorney General regarding a not-for-profit organization's use of State funds for equity investments.
- NCIC ends 1997 with a total of 14 investments in its portfolio after making 3 new investments in 1997.
- NCIC portfolio companies employed 208 persons at the end of 1997.
- There were 267 persons employed in NCIC portfolio companies at the end of 1997.
- Revenues for NCIC portfolio companies exceeded \$17 million in 1997.
- 1998 Ohio Attorney General grants NCIC approval to make equity investments using State of Ohio funds
- NCIC ended 1998 with 15 companies in its portfolio after making 3 new investments, successfully exiting one investment and losing another when the company ceased operations.
- Companies in the portfolio employed 307 persons at the end of 1998.
- Revenues for NCIC portfolio companies exceeded \$23 million in 1998.
- NCIC successfully exited its first investment - Bosma Machine and Tool Company.

1999 NCIC ended 1999 with 19 companies in its portfolio after making 5 new investments and successfully exiting one investment.

There were 362 persons employed by NCIC's portfolio companies at the end of 1999.

Revenues for NCIC portfolio companies exceeded \$27 million in 1999.

NCIC successfully exited its second investment - Century Aerospace Corporation.

2000 NCIC ended 2000 with 15 companies in its portfolio.

There were 372 persons employed by NCIC's portfolio companies in 2000.

Revenues for NCIC portfolio companies exceeded \$34 million in 2000.

NCIC Capital Fund successfully completed the Ohio Grant by expending all of the funds.

NCIC successfully completed its sixth year of making investments.

Appendix E - Commercialization of Technologies by NCIC's Prospects

TECHNOLOGY AREA	NCIC CLIENTS/PROSPECTS
<p><b>Wright Patterson Air Force Base</b>                      Support for aircraft design and production                      Polymer based actuators                      Ceramics oxygen generation system                      Smart Mask Technology                      Avionics technology                      Material specifications                      Liquid crystal displays                      Corrosion protection on underground systems                      Global positioning satellites                      Jet engine compressors/expanders                      Chemiluminescence                      Parallel computer processing                      Brain activated technologies                      Embedded software                      Glass cockpit technology                      Digitized text extracting                      General aviation aircraft upgrades                      Missile system outer shells                      Real time medical speech recognition                      Carbon fiber manufacturing methods                      Jet engine vane manufacturing                      Aircraft design evaluation                      Minimally invasive surgery                      Avionics system marketing partners</p>	<p>Century Aerospace Company                      TCAM Technologies                      CeramPhysics                      Biomedical Innovations                      Masters Aerospace                      Renaissance Systems, Inc.                      Kent Display Systems, Inc.                      TransWave International                      Transmap, Inc.                      RETCO, Inc.                      Lighting Technologies, Inc.                      INTELLX                      Brain Activated Technologies                      ITCN, Inc.                      Advanced Creations, Inc.                      Intelligent Algorithms                      Commander-Aero                      Shape Form, Inc.                      Vocalex, Inc.                      Applied Sciences, Inc.                      Electro-Jet                      Gevers Aircraft (Indiana)                      Diagnostic Instruments                      Masters Aerospace and Systems</p>
<p><b>Edison Centers</b>                      Plastics processing (EPIC)                      Manufacturing (IAMS + EMTEC)                      Materials support (EMTEC)                      Materials support (EMTEC)                      Materials specifications (EMTEC)                      Materials support (EMTEC)                      Materials support (EMTEC)                      Materials support (EMTEC + EPIC + EWI)                      Carbon fibers production and materials (EMTEC)                      Biological systems support (EBTC)                      Jet engine vane manufacturing (IAMS)                      High pressure tank welding (EWI)                      Photovoltaic manufacturing (CAMP)                      Manufacturing (IAMS)                      Manufacturing software privatization (IAMS)                      Welding market information (EWI)</p>	<p>Cheyenne Industries                      Micropyretics Heaters Int'l, Inc.                      Global Manufacturing Solutions                      Faraday Technologies                      Renaissance Systems, Inc.                      IAP Research                      T.I.M.E.                      APS Materials                      Applied Sciences, Inc.                      PhytoLife Sciences, Inc.                      Electro-Jet                      ACE Technical Resources                      PhotoVolt                      Apex Technical Products                      AgilTech (IAMS Software Division)                      Titus Corporation</p>

TECHNOLOGY AREA	NCIC CLIENTS/PROSPECTS
<p><b><u>NASA Glenn Research Center</u></b>            Computational fluid dynamics analysis            Testing of S-shaped duct            Fuel economy improvement for jet engines            High Intensity Photovoltaics            Glass cockpits for general aviation            Collision avoidance system for trucks            Ion exchange resin technology            Conductive Polymers            Biodegradable Polymers            Electronic door locks            Internet products</p>	<p>Century Aerospace Company            Century Aerospace Company            Telectro-MEK, Inc.            Photovolt            Advanced Creations, Inc.            Ground Systems, Inc.            Solar Universal Technologies, Inc.            GeoTech Incorporated            ECM BioFilms, Inc.            Hoffman Electronics            Amusineering</p>
<p><b><u>Federal Aviation Administration</u></b>            Aircraft type certification            Fuel economy improvement for jet engines            Aircraft type certification            Supplemental and type certification            Aircraft certification            Aircraft certification</p>	<p>Century Aerospace Company            Telectro-MEK, Inc.            Advanced Creations, Inc.            Commander-Aero            Gevers Aircraft Corporation            Navion Aircraft Corporation</p>
<p><b><u>Ohio Universities</u></b>            High temperature manufacturing (UC)            Wind tunnel testing (OSU)            High pressure storage (OU)            General aviation re-manufacturing (OSU)            Phase change materials (UD)            Integrated circuits manufacturing (OSU)</p>	<p>Micropyretics Heaters Int'l, Inc.            Century Aerospace Company            Ace Technical Resources            Commander-Aero            VacuPanel, Inc.            ChipWorks (now called Micrys)</p>
<p><b><u>Department of Energy Sites</u></b>            Environmental remediation (Mound)            Environmental remediation (Mound)            Environmental remediation (Fernald)            Flexible printed circuit boards (Mound)            Rigid and flexible printed circuits (Mound)            Privatization of radiological services (Mound)            Electromagnetic Shielding (Mound)</p>	<p>SELENTECH, Inc.            PhytoLife Sciences, Inc.            Cercona Corp.            Mound Flexible Circuits Co.            T.I.M.E.            The Alpha Group            Epsilon Materials, Inc.</p>

TECHNOLOGY AREA	NCIC CLIENTS/PROSPECTS
<p><b><u>Incubators</u></b>  Hamilton County Business Development Center  Columbus Business Development Center  Columbus Business Development Center  Columbus Business Development Center  Columbus Business Development Center  Columbus Business Development Center  Mound Incubator  Mound Incubator  Mound Incubator  Mound Incubator  Mound Incubator  Mound Incubator  Mound Incubator  NASA Lewis Incubator for Technology (LIFT)  NASA Lewis Incubator for Technology (LIFT)  NASA Lewis Incubator for Technology (LIFT)  Edison Cleveland Incubator  Edison Cleveland Incubator</p>	<p>Micropyretics Heaters Int'l, Inc.  PhytoLife Sciences, Inc.  Transmap  Micrys (formerly Chipworks)  The Attia Applied Sciences, Inc.  Apothetech  Global Manufacturing Solutions  T.I.M.E.  Graceway  Mound Flexible Circuits  Mound Laser and Photonics Center  Mound Heat Source  Epsilon Materials, Inc.  Ground Systems, Inc.  Solar Universal, Inc.  Diagnostic Instruments  Noteworthy Medical  Aethersys</p>
<p><b><u>Manufacturing Extension Centers</u></b>  Manufacturing system evaluation  Manufacturing system evaluation  Manufacturing system evaluation  Manufacturing system evaluation  Manufacturing system evaluation  Manufacturing system evaluation</p>	<p>Global Manufacturing Solutions  Faraday Technologies, Inc.  Renaissance Systems, Inc.  Cheyenne Industries  APS Materials  New Carlisle Manufacturing</p>

## 6. List of Symbols, Abbreviations and Acronyms

AFRL	Air Force Research Laboratory
ATP	Advanced Technology Program
CAI	Composites Affordability Initiative
CAMP	Center of Advanced Manufacturing Program
CRDA	Cooperative Research and Development Agreement
DESC	Defense Electronic Supply Center
DoD	Department of Defense
EMTEC	Edison Materials Technology Center
EPIC	Edison Polymer Innovations Center
EWI	Edison Welding Institute
DOE	Department of Energy
IAMS	Institute for Advanced Manufacturing Sciences
M	Million
ML	Materials and Manufacturing Directorate
NASA	National Aeronautics and Space Administration
NASA LIFT	NASA Lewis Incubator for Technology
NCIC	National Center for Industrial Competitiveness
NIST	National Institutes of Science and Technology
ODOD	Ohio Department of Development
P4	Programmable Powdered Preform Process
P4A	Programmable Powdered Preform Process for Aerospace
SBIR	Small Business Innovation Research
WPAFB	Wright Patterson Air Force Base
WTN	Wright Technology Network
U.S.	United States
USAF	United States Air Force