

London Tech Bridge



PRESENTED BY:
CDR Albert 'Prince AI' Arnold, USN
London Tech Bridge Director



TECH BRIDGE

STAGES



Local team forms as the core of the regional Tech Bridge



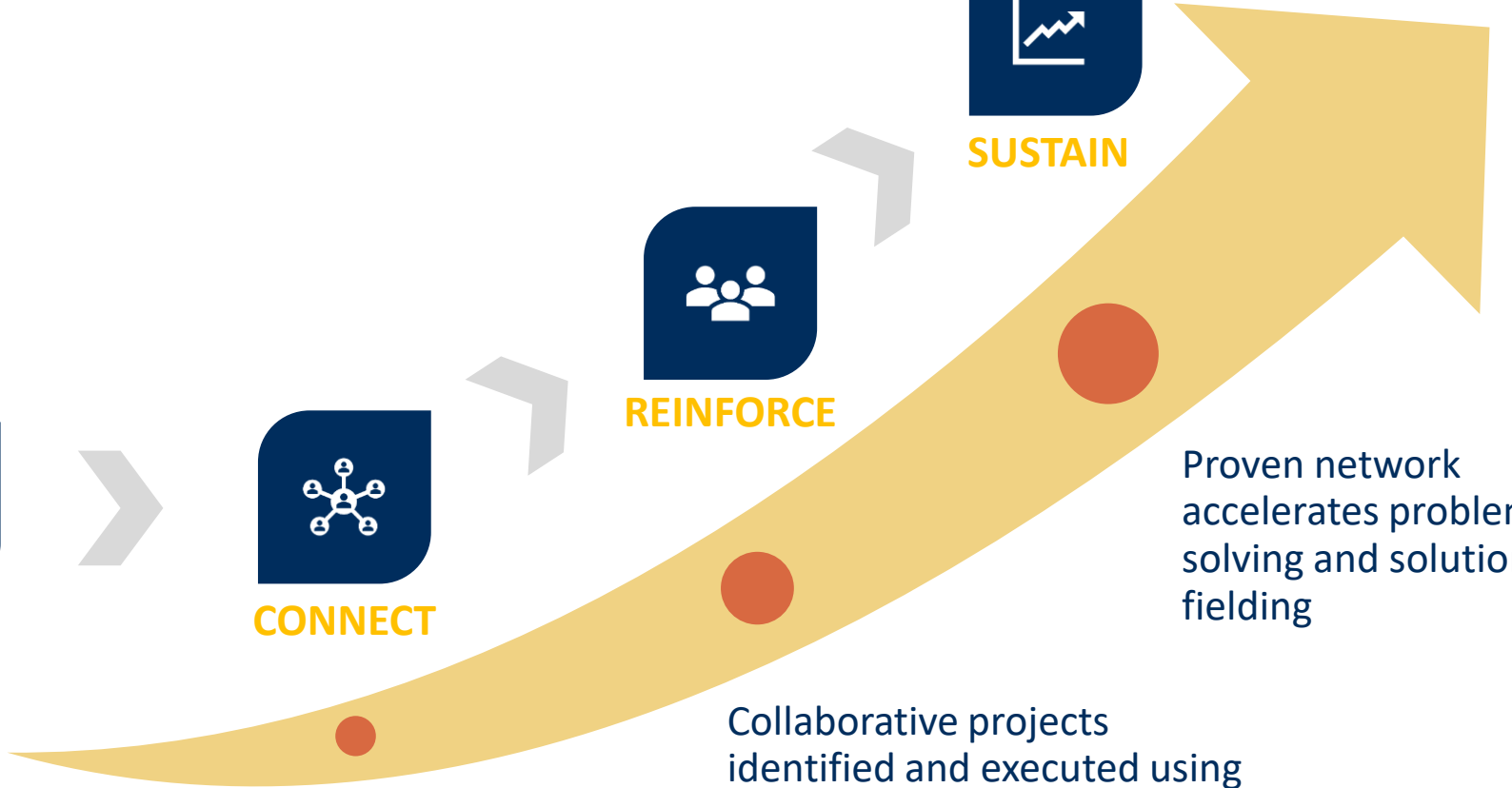
New Tech Bridges accelerate learning across the network



Collaborative projects identified and executed using the innovation pipeline



Proven network accelerates problem solving and solution fielding





INNOVATION PIPELINE

Source

Find lots of problems that matter to Navy and Marine Corps.



Curate

Prioritize the problems that have the greatest impact and the highest chance of success.



Scan

Discover what options you have to solve your problem and who else is already doing similar work.



Incubate

Once the problem has been refined and team consensus is built, constraints, assumptions and key user requirements begin to take shape.



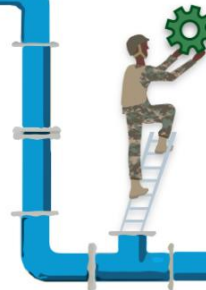
Prototype

Build lightweight experiments in the form of Minimum Viable Products (MVPs) to make sure you are actually solving your problem.



Validate

Test, evaluate, and demonstrate your Minimum Viable Product (MVP) in order to ensure that this version of a solution can gain momentum from user and leadership.



Field

Find a market for your solution. Promote and launch it, onboard users and continuously get usage data.



Sustain

Plan and execute maintenance in order to ensure solution is operational and deployable. Minimize cost and prolong shelf life.



Vision

OPPORTUNITY SUPERNODE for the US and UK, accelerating partnerships and connections for mutual benefit

op·por·tu·ni·ty - /,äpär't(y)oonädē/ - noun: a set of circumstances that makes it possible to do something.

su·per·node - / 'sü-pär 'nōd / - noun: in peer-to-peer networking, a supernode is any node that also serves as one of that network's relayers and proxy servers, handling data flow and connections for other users. This semi-distributed architecture allows data to be decentralized without requiring excessive overhead at every node.



VISION

deconstructed

The London Tech Bridge will be an integral network node in the NavalX Tech Bridge network and critical link for the US Department of the Navy (DoN). The Tech Bridge will identify DoN, UK Royal Navy (RN) and Ministry of Defence (MoD) stakeholder problem sets. It will cultivate and maintain strategic partnerships with organizations across academia, industry, and government, to produce solutions that can be scaled to benefit defense, industry, and the general public. The Tech Bridge will serve as an open forum for industry and academia engagement with DoN, RN, and UK MoD. It will provide guidance, support, and development opportunities for the defense workforce and connected stakeholders. This unique Tech Bridge will leverage the historic partnership between the two nations and truly operate as a two-way flow enabling connections in the US and UK. The Tech Bridge will strengthen our nations' bond and improve the interoperability and interchangeability of our Naval and Defense Services.



Mission



CONNECT

- Industry, Academia, Government/Defense Departments



COLLABORATE

- Build and sustain partnerships that enable joint success



INNOVATE

- Discover 'dual use' solutions to stakeholder problem sets



SUPPORT

- Support ecosystem through STEM outreach, knowledge seminars and networking facilitation



ENAGAGE

- Leverage location in Global 'Tech Hub' to expand and diversify local and total network



DEVELOP

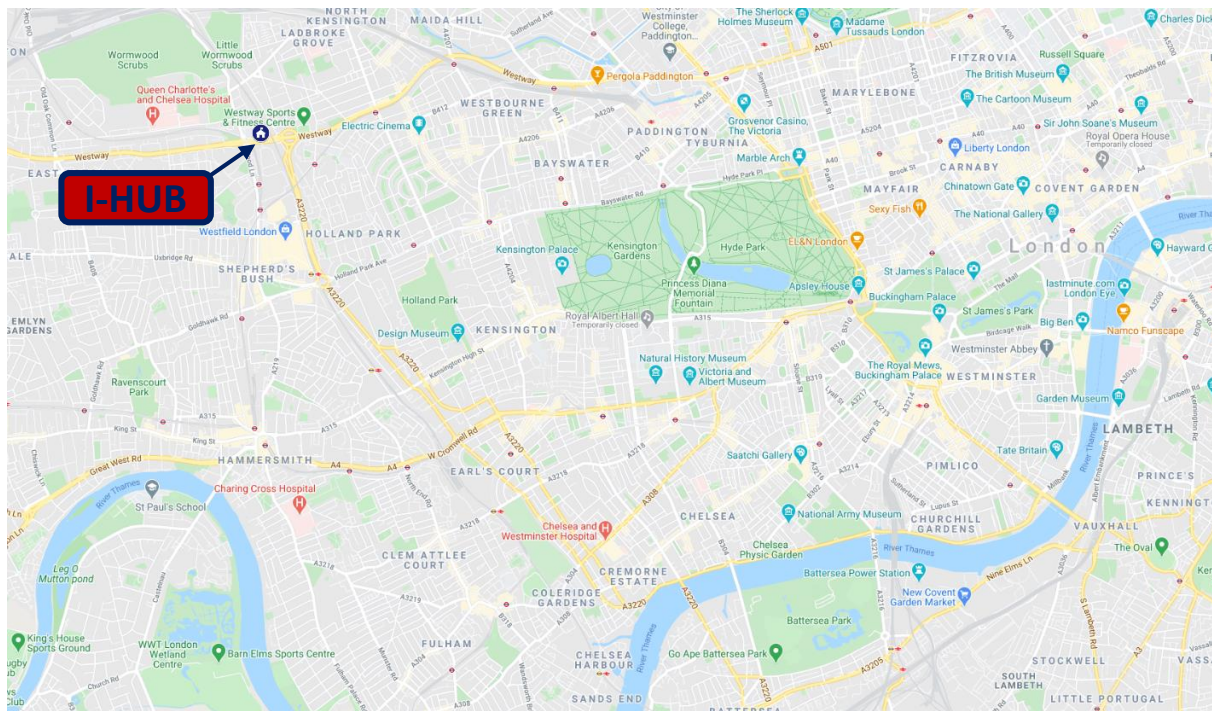
- Grow US Naval workforce's knowledge and abilities to work with UK stakeholders



51°30'57"N; 00°13'26" W



Innovation and Translation Hub (I-HUB)

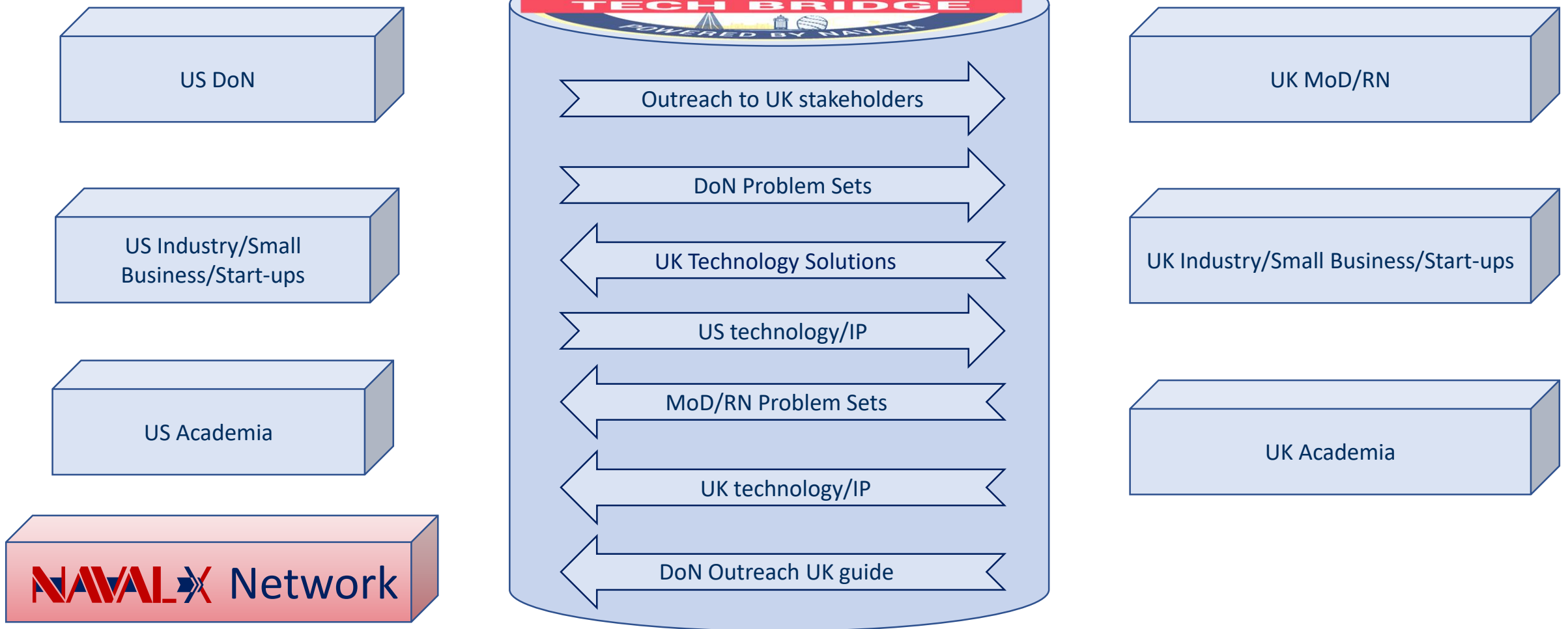


- Alternate location:
 - RAF Blenheim Crescent – ONR Global Headquarters



LONDON TECH BRIDGE

Network Traffic





Network Optimization

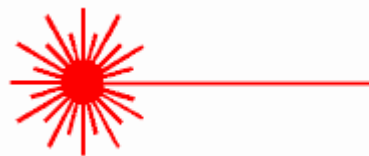
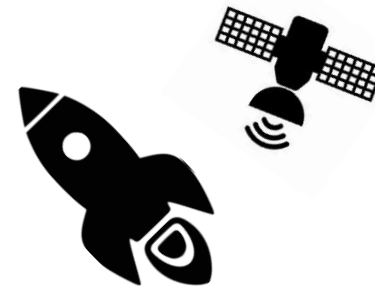
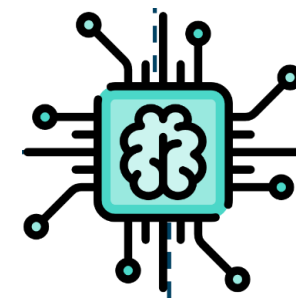
How to provision, discover, monitor and sustain the network

- Facilitate convergence through *Seminars / Forums*
- Create opportunities through *Networking Events*
- Drive innovation through *Prize Challenges*
- Enable the next generation through *STEM Outreach*
- Identify problem and solution sets through *Crowd-sourcing Events*
- Provide access to *Lab/Facility space, or RDT&E assets*
- Tackle priority challenges and issues through *Hacking Events*
- Identify and Facilitate *potential resource opportunities from Dept of the Navy (DoN) & Dept of Defense (DoD)*
- Provide access to *DoN operational Sailors and Marines*
- Offer prototype demonstration opportunities in *operational exercises & training evolutions*
- Enable *partner matching for technology solutions*
- Open opportunities to *pitch solutions to DoN and DoD leaders*
- Facilitate *Investment Showcase Events*



Initial Technology Focus Areas

- Artificial Intelligence
- Autonomy / Unmanned
- Biotechnology
- Space
- Lasers / Directed Energy





Focus Areas

- Selected based on:
 - DoN, DoD and UK MoD/RN strategic priorities
 - Potential for transition of technology to DoN/DoD
 - Potential for dual-use solutions
 - Areas of significant investment/effort in UK (private, Govt/MoD, academia)
- Focus areas can be tied back to NavalX National Tech bridge network for maximum flow of opportunities



Questions?



USNLondonTechBridge@mail.mil

<https://www.secnav.navy.mil/agility>

<https://www.secnav.navy.mil/agility/Pages/techbridges.aspx>

PRESENTED BY:
CDR Albert 'Prince AI' Arnold, USN
London Tech Bridge Director

US TECH BRIDGE LOCATIONS

