



Local Equipment Guidance System

Meet the Team



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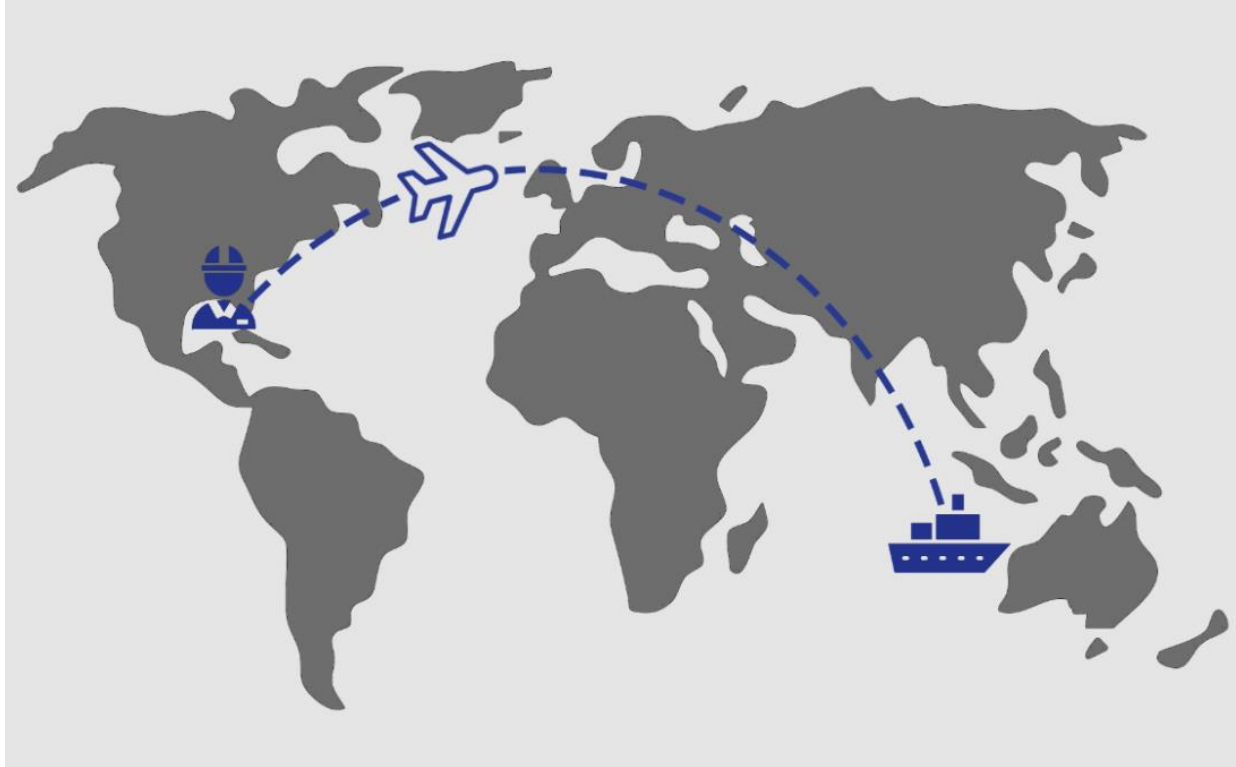


Mentors

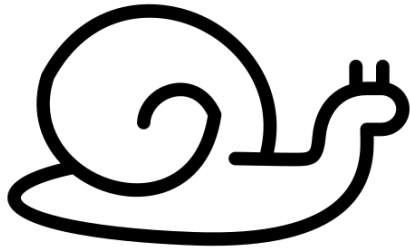
Alan Jaeger
Nicholas Bernstein

Problem Statement

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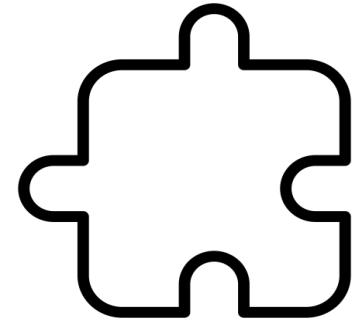
Drawbacks



Slow



Costly



Logistically
Challenging

Existing Solutions

With the US gone, Afghanistan's air force has to rely on Zoom calls to learn how to fix its aircraft

BENJAMIN BRIMELOW

Tue, Jul 27, 2021

6 min read



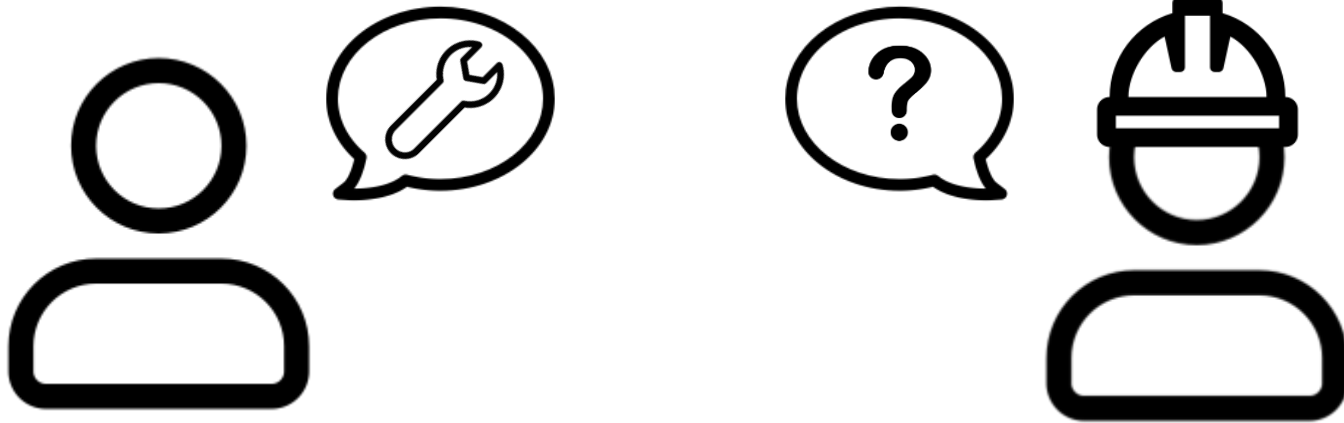


Introducing — LEGS

Local Equipment Guidance System

Local Equipment Guidance System

Primary Goal: Improve the interaction between on-site mechanics and remote specialists in order to improve repair capabilities on naval vessels.



Local Equipment Guidance System

Features:



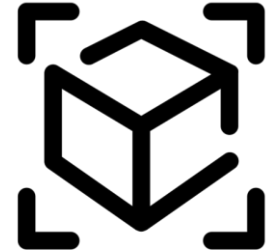
Live Audio/Video



AR Annotations

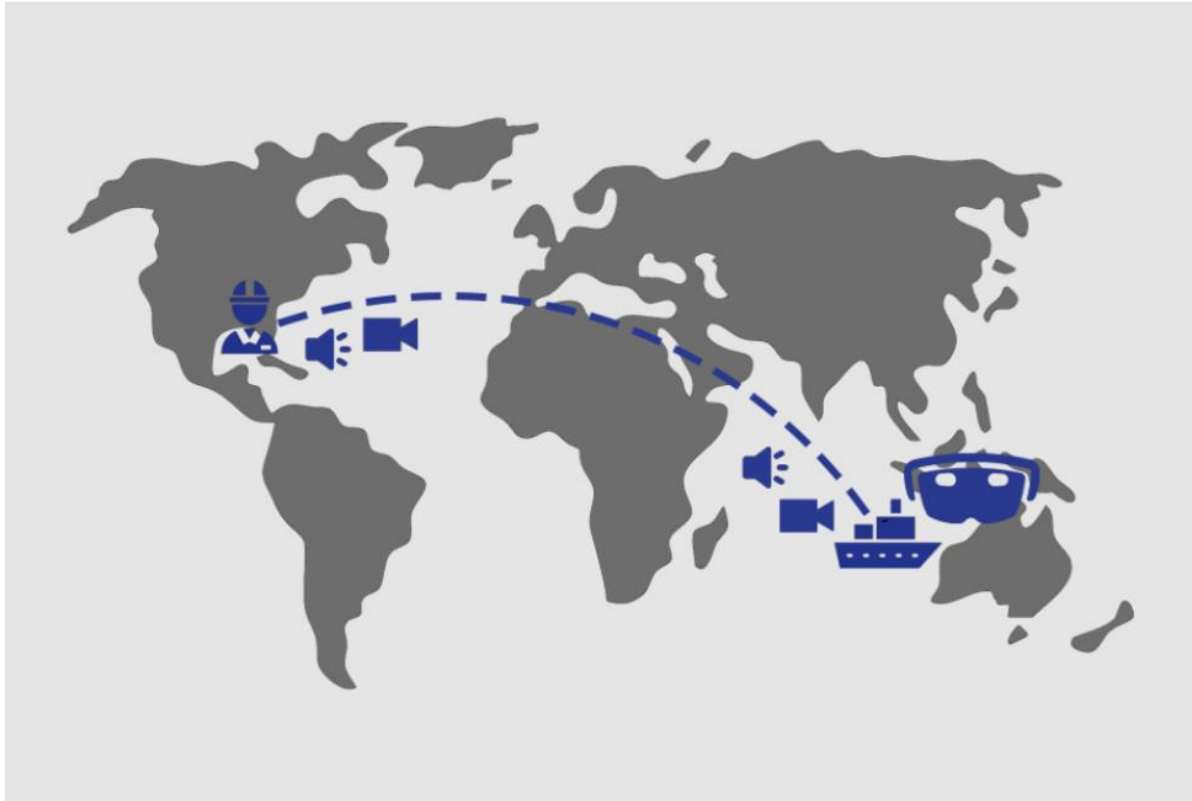


3D Drawing



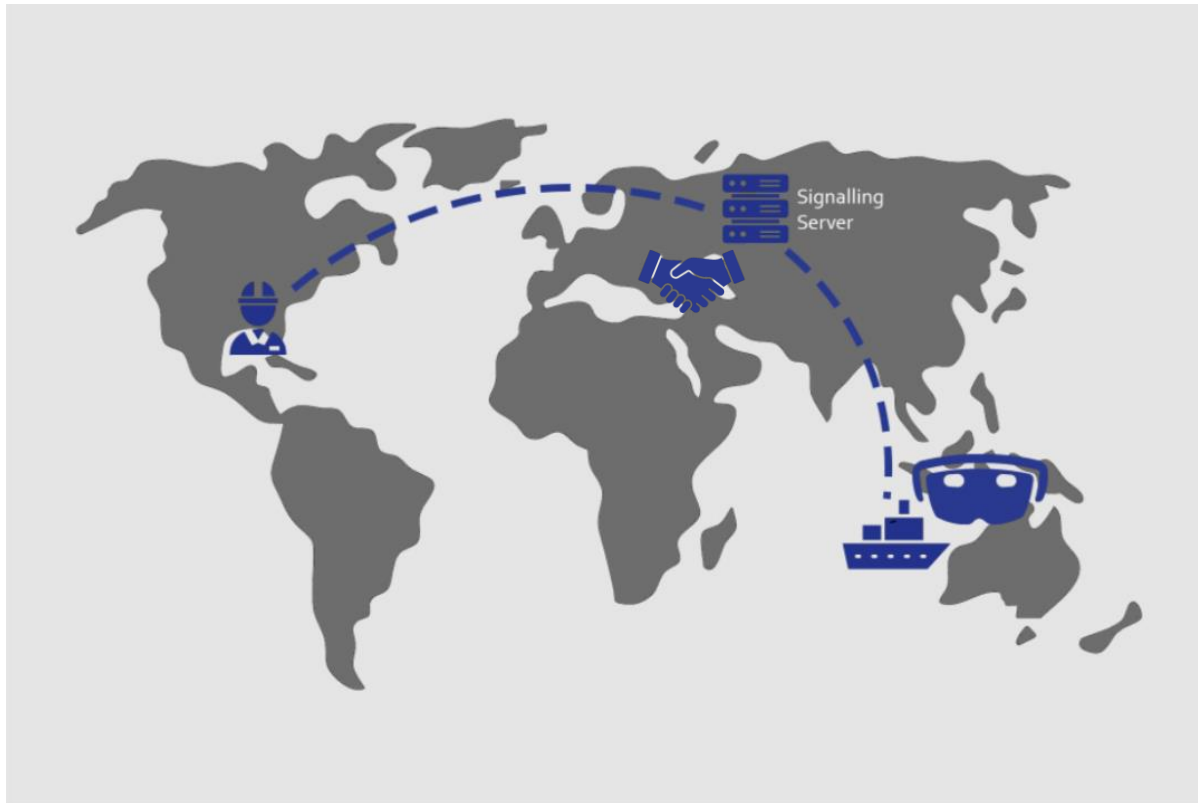
Object Detection

Our Solution

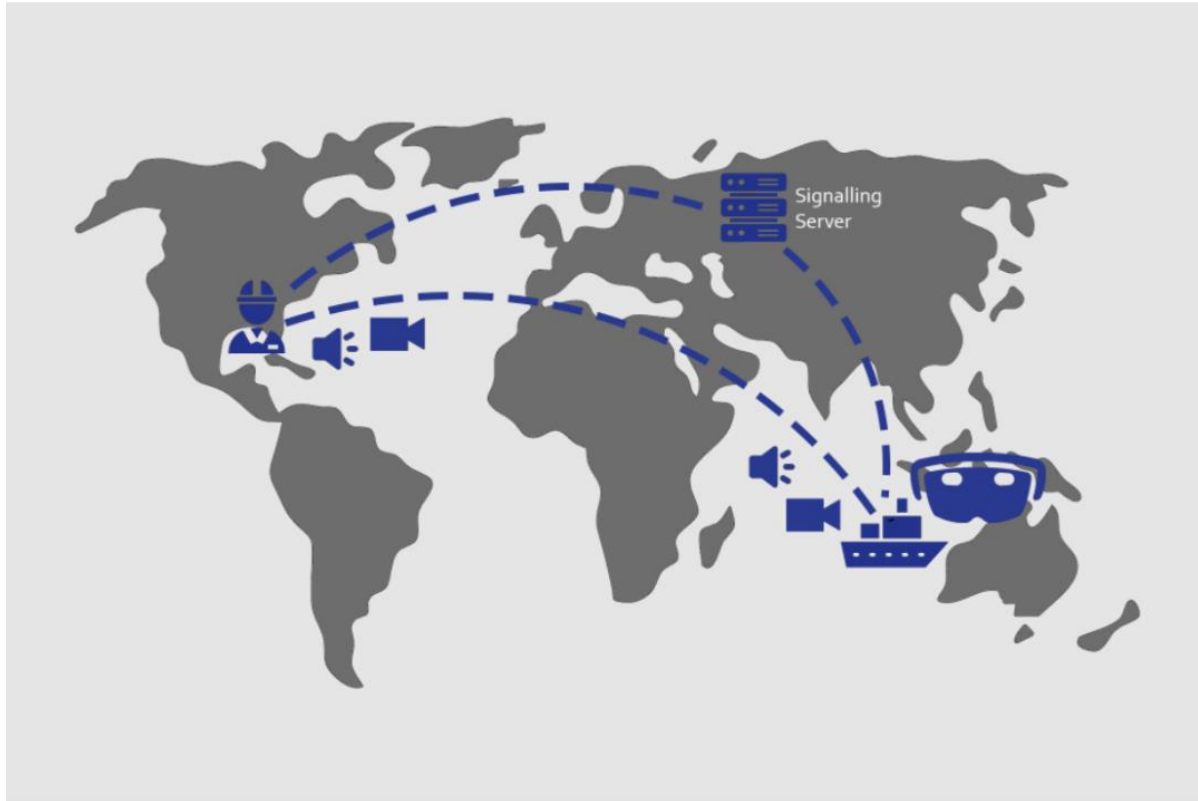


Demo

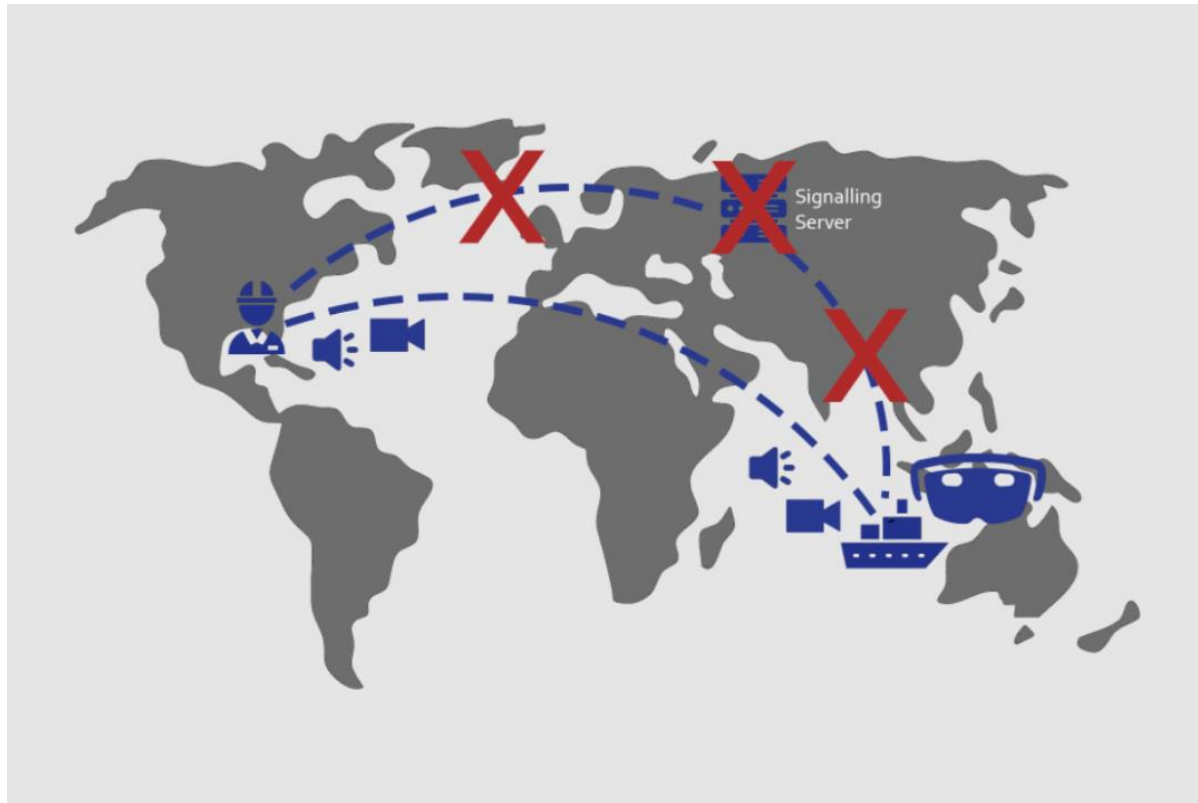
Implementation



Implementation



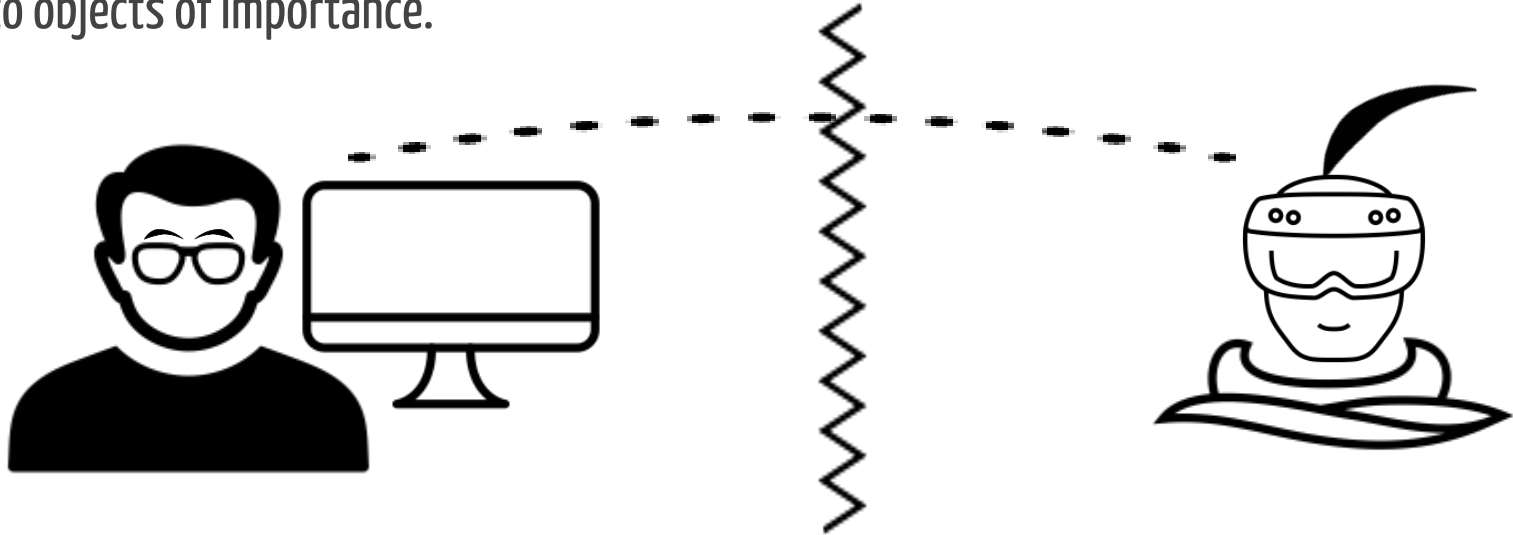
Implementation



Benefits

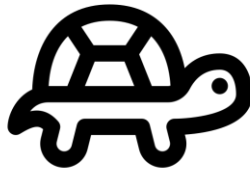
Benefits — Interactivity

- This solution allows for easy communication between the mechanic and expert. The placement of markers in the mechanic's field of view allows the expert to direct their focus to objects of importance.



Benefits — Improved Response Time

- This solution improves the turn-around time of maintenance requests. With a single call, a mechanic can repair any equipment. This eliminates the delays involved with traditional on-site travel-based approaches.



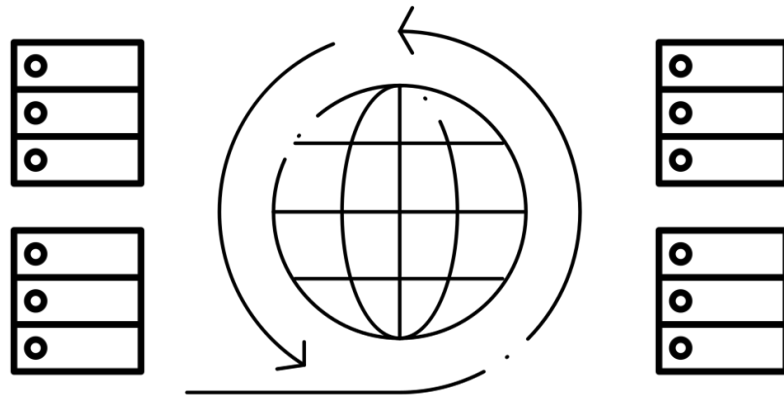
Benefits — Reduced Costs

- This solution reduces overall capital expenditure. Our remote approach to on-site maintenance eliminates travel costs and decreases the cost-per-call for selected repair applications.



Benefits — Scalability

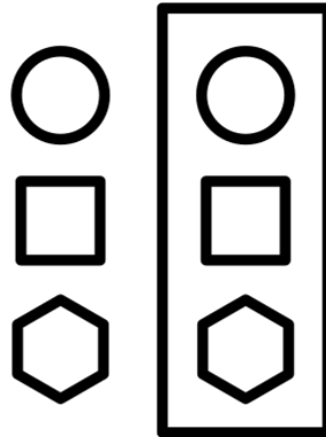
- This solution is scalable to suit the needs of large organizations. Our peer-to-peer connection scheme significantly decreases utilization of server resources, minimizing the computational needs of each connection.



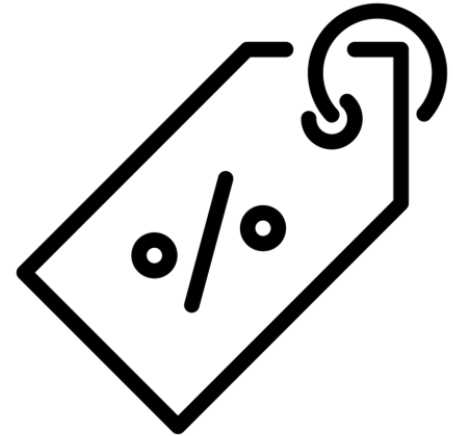
Closing Statement



Interactive Features



Intuitive Interface



Cost-effective



Don't use planes. Just use LEGS.

