



Presentation

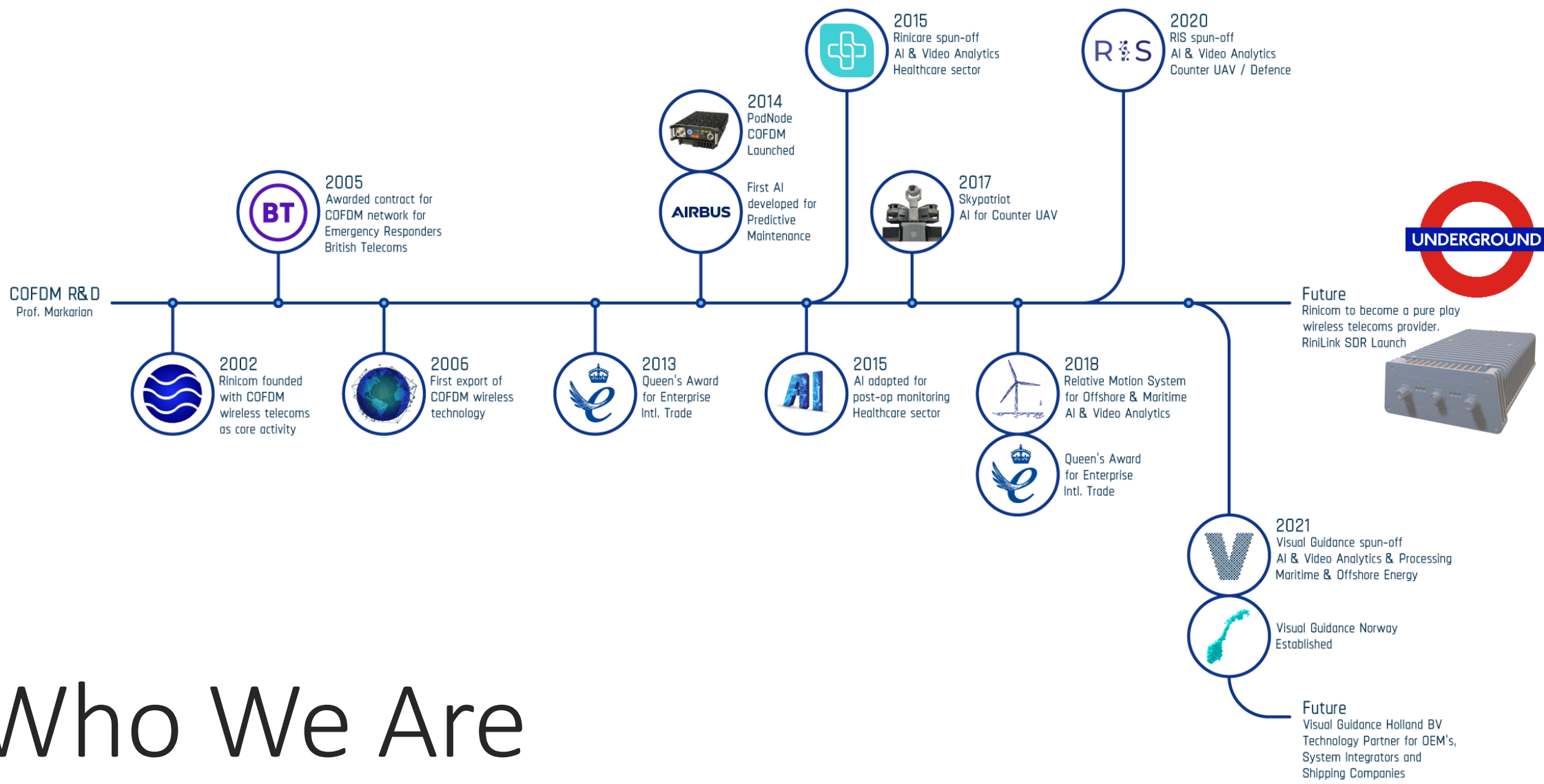
RINICOM PRESENTATION



rinicom
secure communications

Mission Statement

“CONNECTING THE IMPOSSIBLE”



Who We Are

Company Overview

Incorporated in
September 2002

Approx. 25 staff

Global presence with
distributors in China,
Israel, Singapore,
Europe and Americas

Based on expertise in
wireless
communications,
security and digital TV

Privately owned and
profitable

Queens Award for
Excellence in
Enterprise in 2013 and
2018

Fast Growth award
from DTI

3 SMART Innovation
Awards from Innovate
UK (TSB)

Research cooperation
with the leading UK
Universities





Product Overview

RINICOM

Visual Fusion+

Clarity in Complexity



Visual Fusion++ Features

Support Multiple 4K
Video Outputs



Integrated Editor for
Customer Layout and
Configuration

Ultra Low-
Latency Video



Database of Existing
Widgets for Data

View Live
System Data

Easy Integration of
Existing Apps using
HTML5 Widgets

Real Time Rendering of
3D CAD Models/Digital
Twins

Supports Multiple CCTV Streams/HD-SDI

Situational
Awareness

Video Processing

Immersive operator environment

Heads-up-display

- Display critical information in line-of-sight
- Add augmented reality features

Multiple camera streams

- Picture-in-picture, fully customizable
- Fallback feeds if redundancy is required

Location

- Can be placed anywhere on the vessel
- Cabled or wireless connection

Compatible with any screen arrangement

- Conventional videowall
- Large single monitor



Visual Fusion++

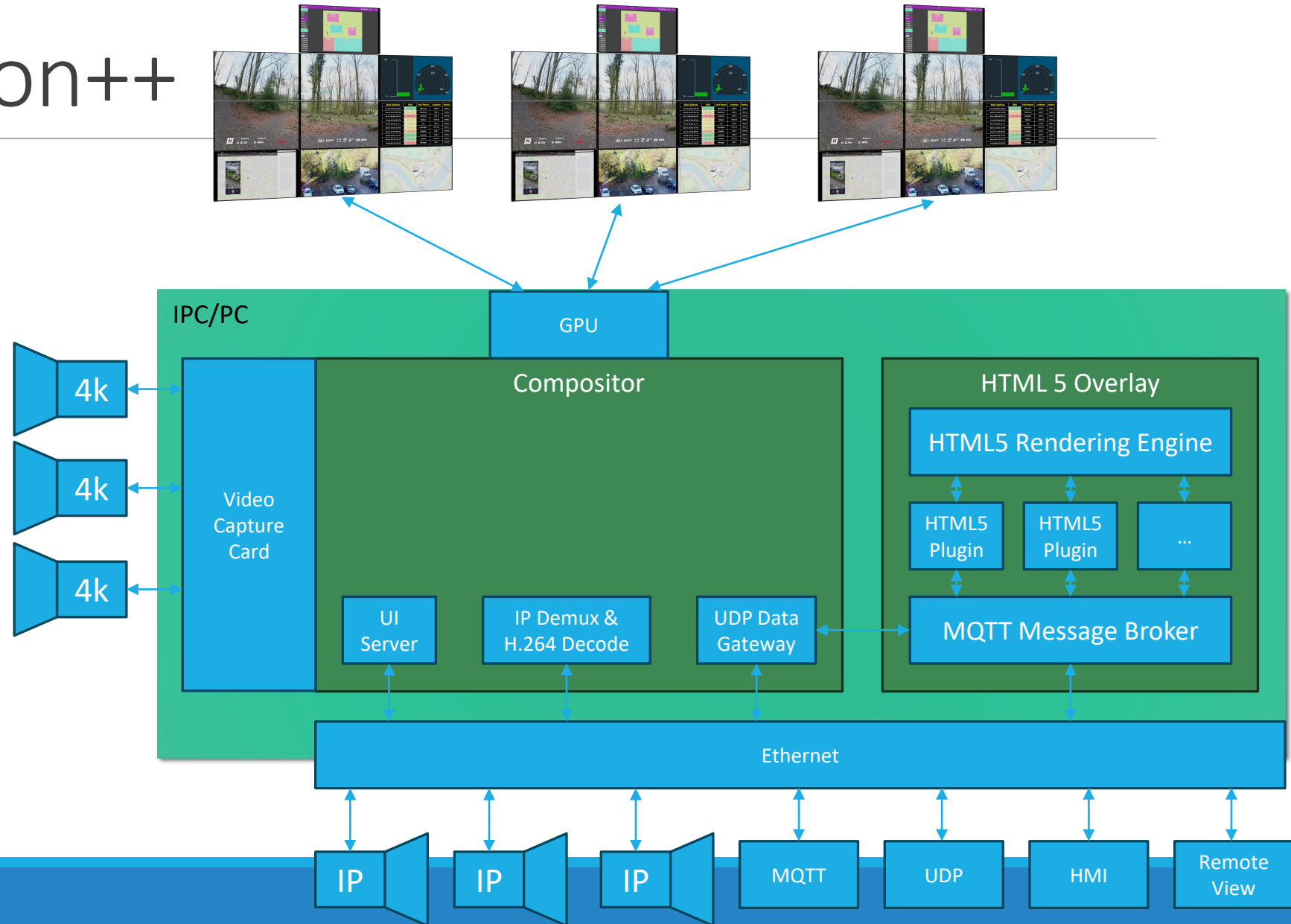
Local Operator Display

Single Screen of VideoWall

Remote Operator Display

Over the Horizon point to point

Stream (RTSP/RTMP)



Visual Fusion++

Summary

Bring your own hardware

- IPC for VisualFusion+2
- Camera's
- HMI panel

Control System

Augments existing control system

Machine controller can trigger functions in VisualFusion+2

Near real-time

Video feeds

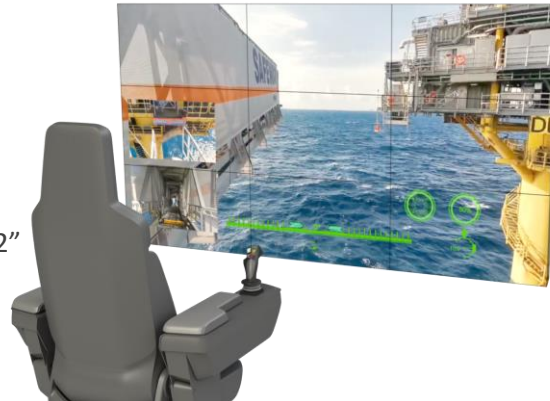
Data ingest from PLC / IPC

Fully customizable HUD widgets

Branding

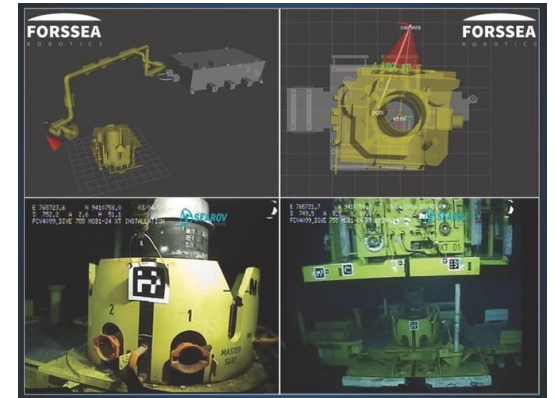
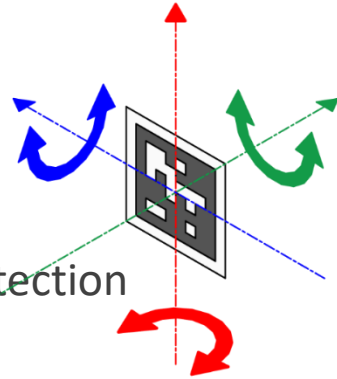
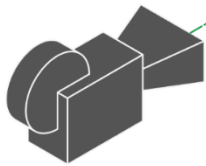
Visual Guidance “VisualFusion+2”

Custom OEM deployment



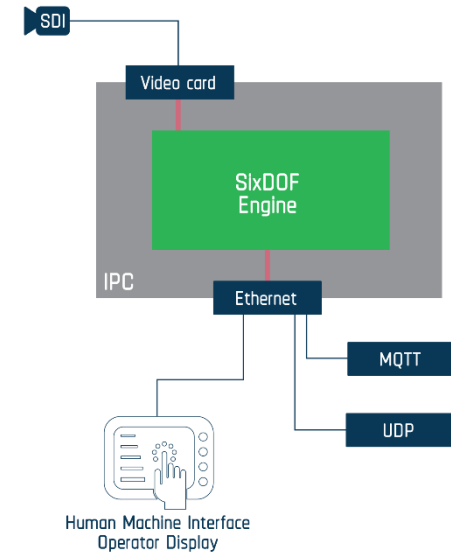
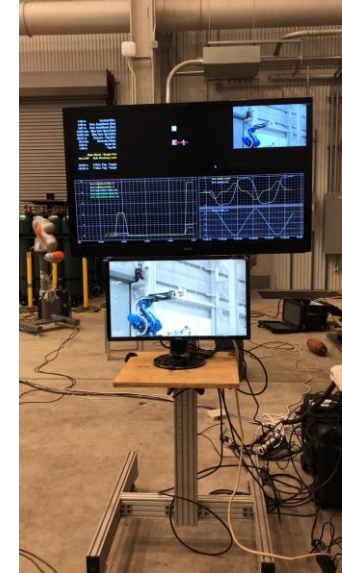
SixDOF

- Based on AprilTag by University of Michigan
- AprilTag Visual Fiducial System
 - Augmented Reality
 - Robotics
 - Camera Calibration
- Benefits
 - Near zero false positive detection
 - Low-cost target system
 - Easily integrated into new and existing products

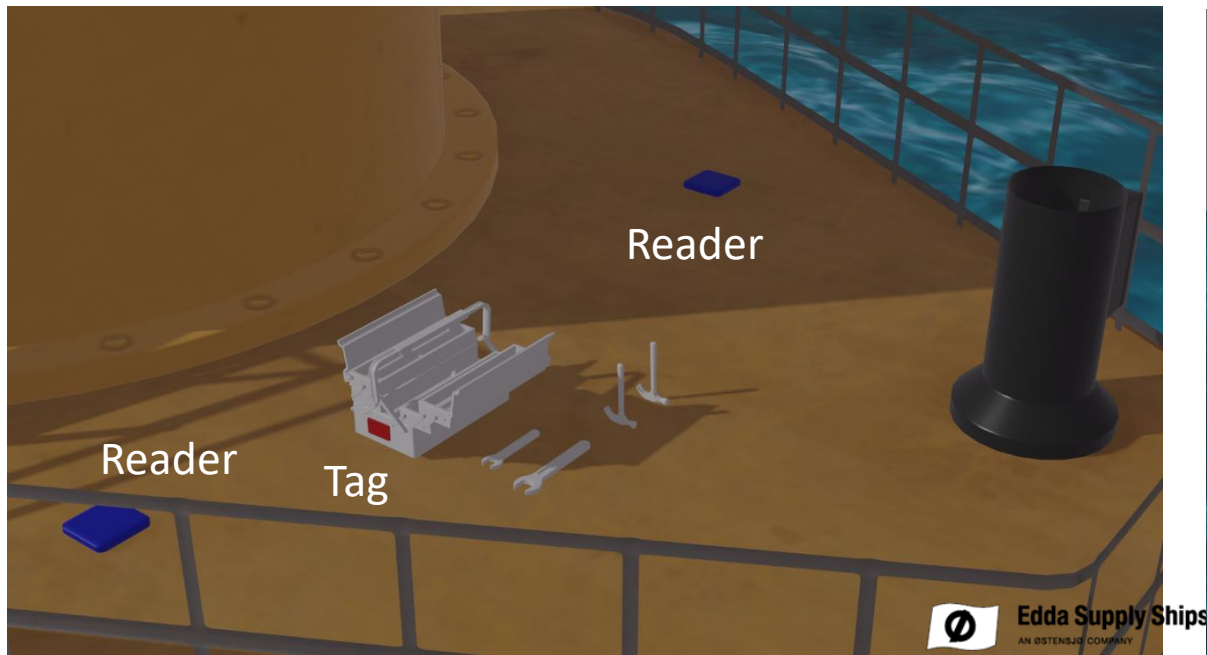


SixDOF

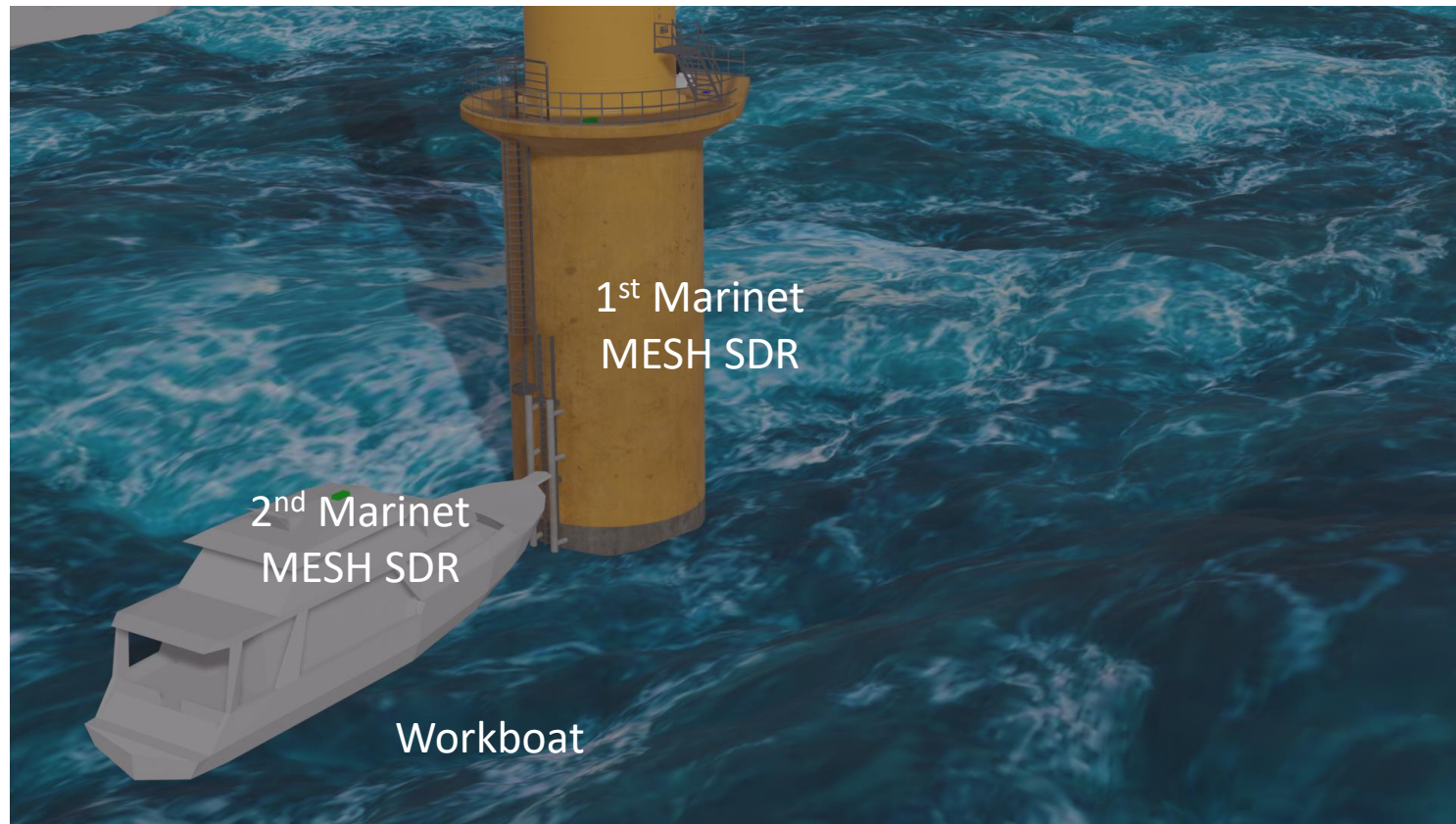
- 2018 – Rinicom for McDermott
 - Ship-to-ship system for measuring relative heave motion between two ships
- 2020 – SAM project with Edda (Østensjø)
 - Ship-to-fixed system for bottom fixed wind turbine servicing
- 2021 – SixDOF by Visual Guidance
 - Crane & Gangway Guidance System
 - Local Position Reference for DP system
 - Workboat docking
 - Mission Support for CTV



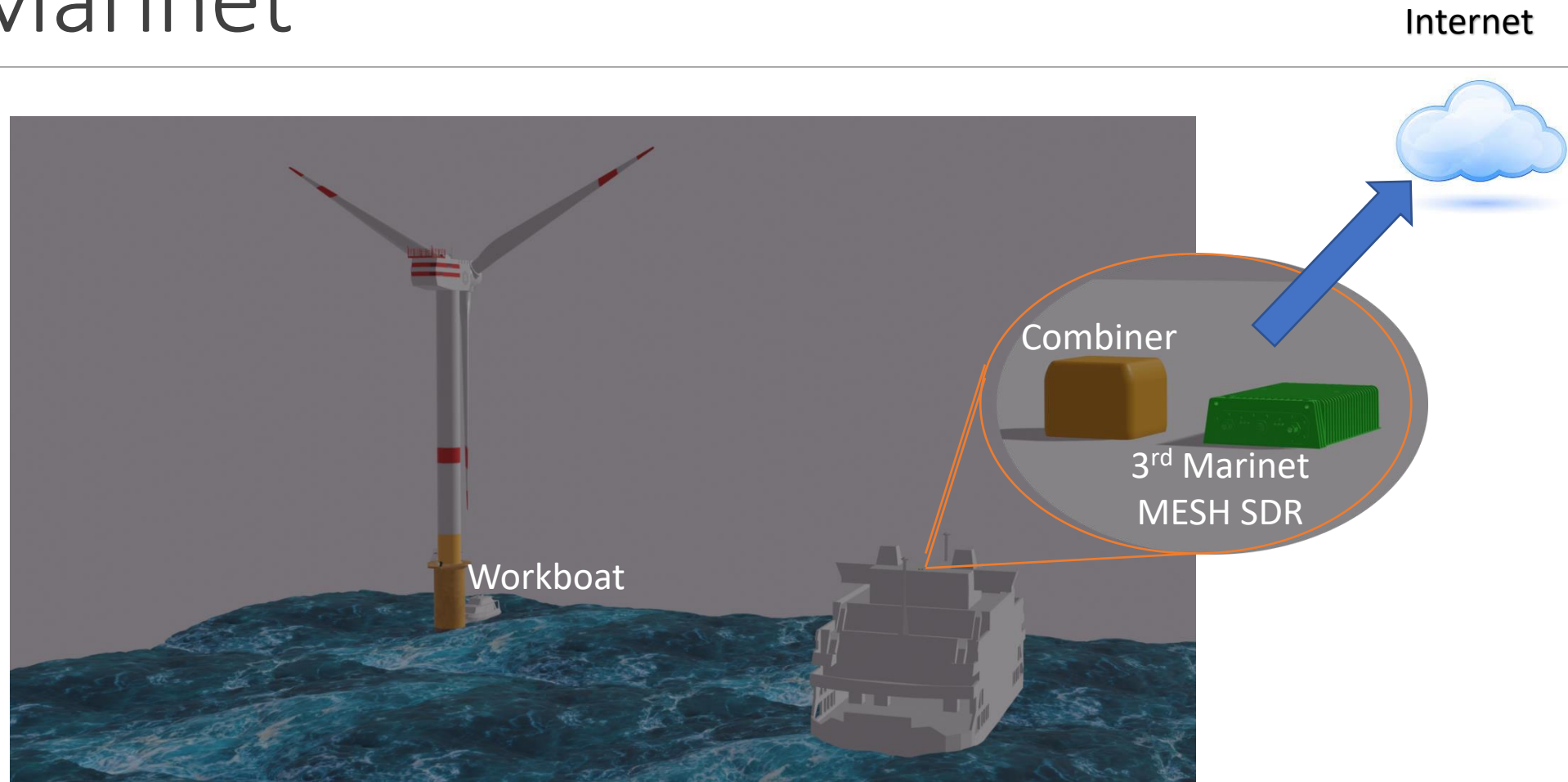
Marinet – Wireless Location Tags

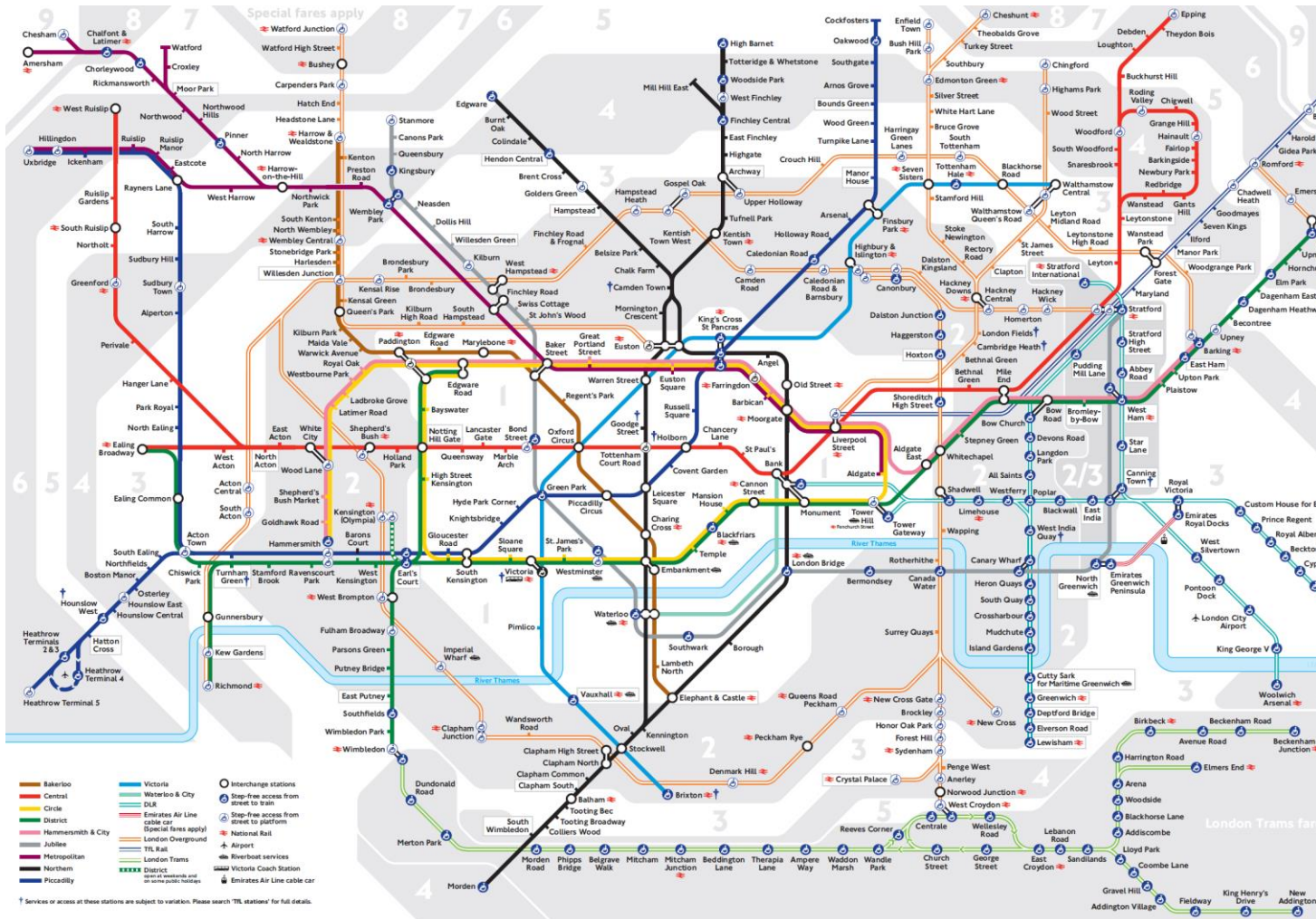


Marinet



Marinet





DTUP Project

Siemens - 94 nine-car trains ordered

Cost of £1.5bn, replacing 1973 Stock trains on the Piccadilly line 2025

Rinicom is supplying wireless radios and antennas to connect platform cameras with the driver

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tfl.gov.uk

24 hour travel information
0343 222 1234*

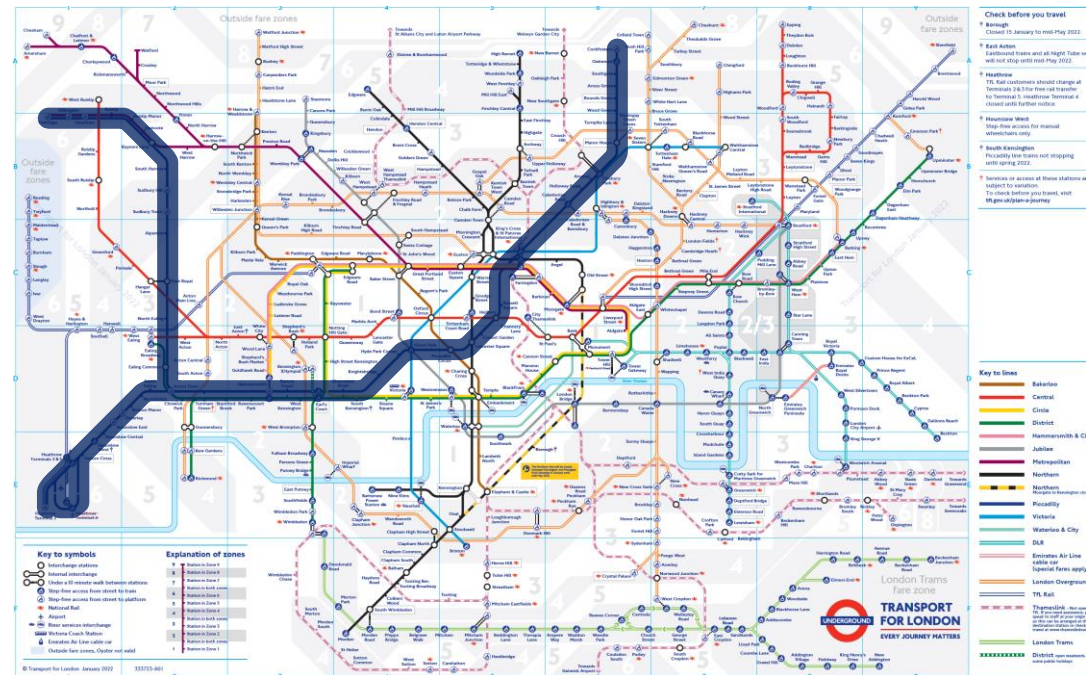
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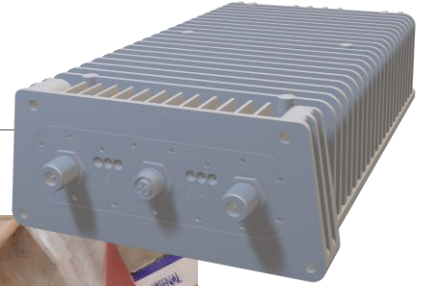


Underground Roadmap

Phase 1 – Piccadilly Line



Software Defined Radio





Conclusion

Well Established and Dynamic Company

Research Driven and Innovative

Financially Secure

State-of-the-art Products

Strong R&D Team

Customer Focussed