



Simplifying Operations

With a reality-first digital twin: SSE Thermal & eserv's AS-TEG™ Integration

Dan Millard, Founder & CEO, eserv

Alan Bibb, Technology Manager – Enterprise Systems & Change, SSE Thermal



Dan Millard – eserv, Founder & CEO

- Entrepreneur from Scotland with a background in engineering
- Founded eserv in 2015 to pioneer 3D digital twin technology for critical energy infrastructure
- Awarded the Young Professional Award by the Society of Petroleum Engineers (SPE) in 2022 for contributions to the energy industry
- Led a strategic investment deal with Vespa Capital LLP to accelerate eserv's international growth and technology development
- Passionate about driving innovation and delivering impactful digital solutions to the energy sector



Alan Bibb – SSE Thermal, Technology Manager

- Over 26 years of experience in the energy industry - holding various IT and engineering roles across UK and global operations
- Currently leading technology initiatives at SSE Thermal
- Led Neptune Energies global Digital Asset program into ENI acquisition
- Passionate about applying practical and technical expertise to deliver impactful digital solutions in complex industrial operations



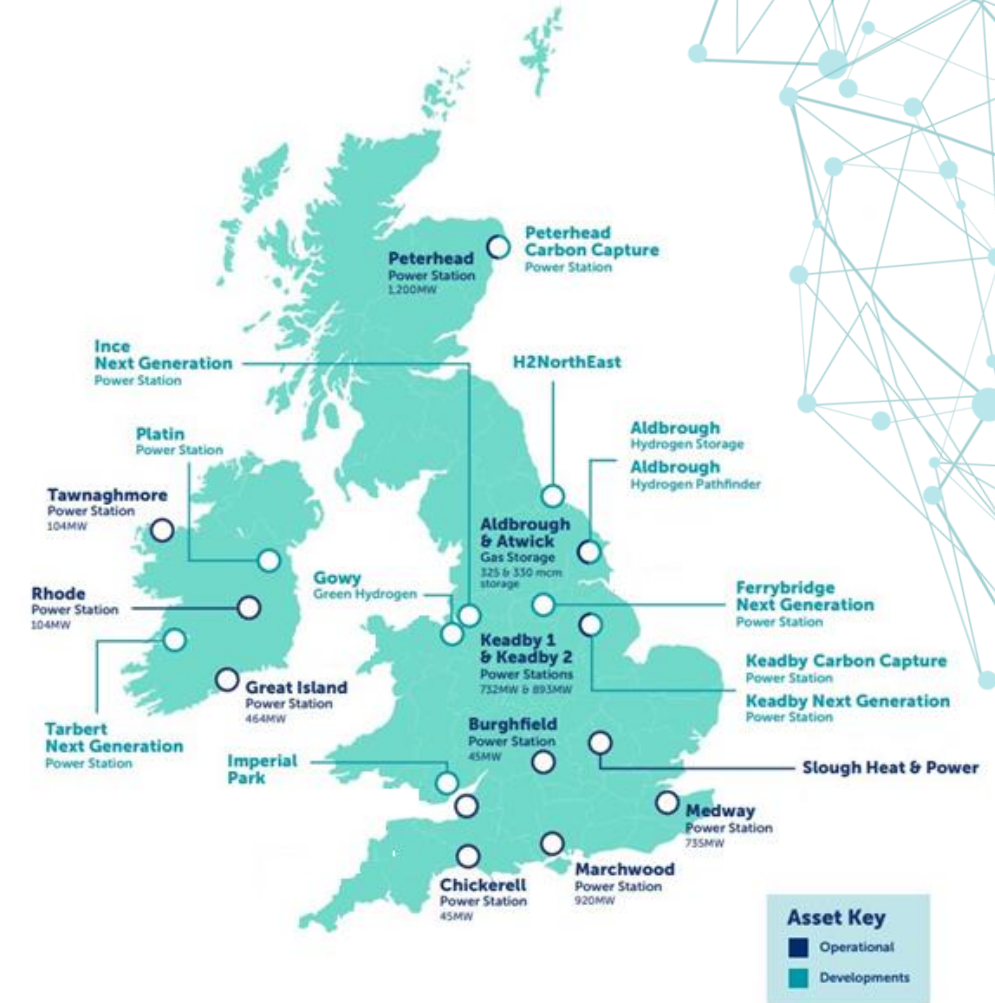


Our vision: to become a leading provider of flexible thermal energy in a net zero world

- 21 Thermal sites & projects across UK & Ireland
- Centralised teams based in Glasgow and Leeds



- Digital Engineering team deploy technology & data to continually improve the performance of teams & assets
- Drivers include digital SSOW & maintenance excellence
- Organised as value streams with Products & Owners
- Digital Asset value stream own the Digital Twin product
- Asset Management and Asset Data & Insights value streams also key stakeholders



AS-TEG™

by eserv

The reality-first digital twin that delivers unrivalled accuracy, connectivity, and user scalability.

AS-TEG™ centralises and contextualises reality capture data + engineering models + inspection records + operational information. Enabling **faster, more accurate remote decision-making** with complete visual clarity.



Why AS-TEG™ is different from other twins...



Engineering-grade accuracy: precision for integrity programs and capital projects



Unlimited scalability: no user or data limits, enabling enterprise-wide adoption



Seamless collaboration: easily integrates with core systems to streamline workflows

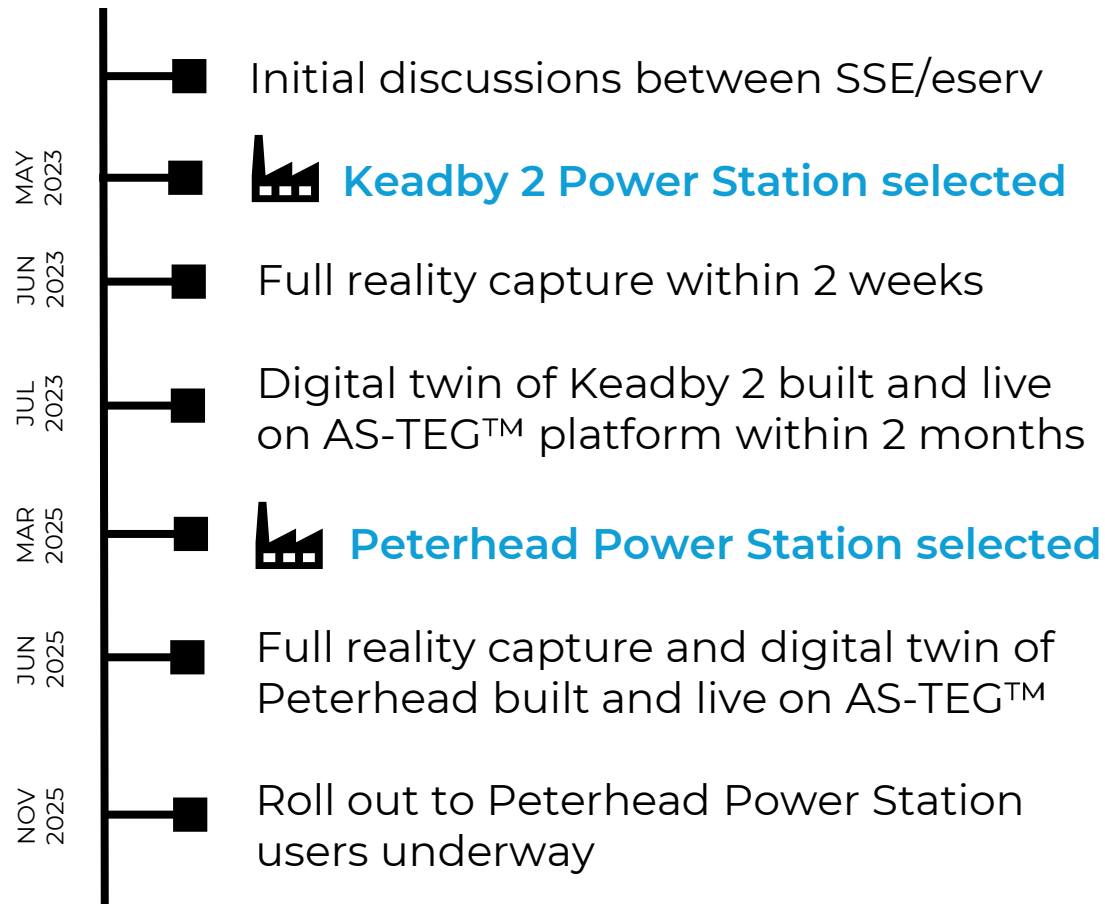


Full control over your data: no proprietary hardware, restrictive data formats, or locked-in engineering design suites

- ✓ **Designed for complex process plants** - both on and offshore
- ✓ **Built by Industry Engineers** - refined with customers
- ✓ **10-year track-record of success** – and new features released every 3 weeks
- ✓ **Trusted by global blue-chip operators** – Oil & Gas, Thermal, Nuclear and Renewables





SSE Thermal: AS-TEG™ Integration

AS-TEG™ was initially deployed on SSE Thermal's flagship **Keadby 2 Power Station** in 2023, and more recently on **Peterhead Power Station**.



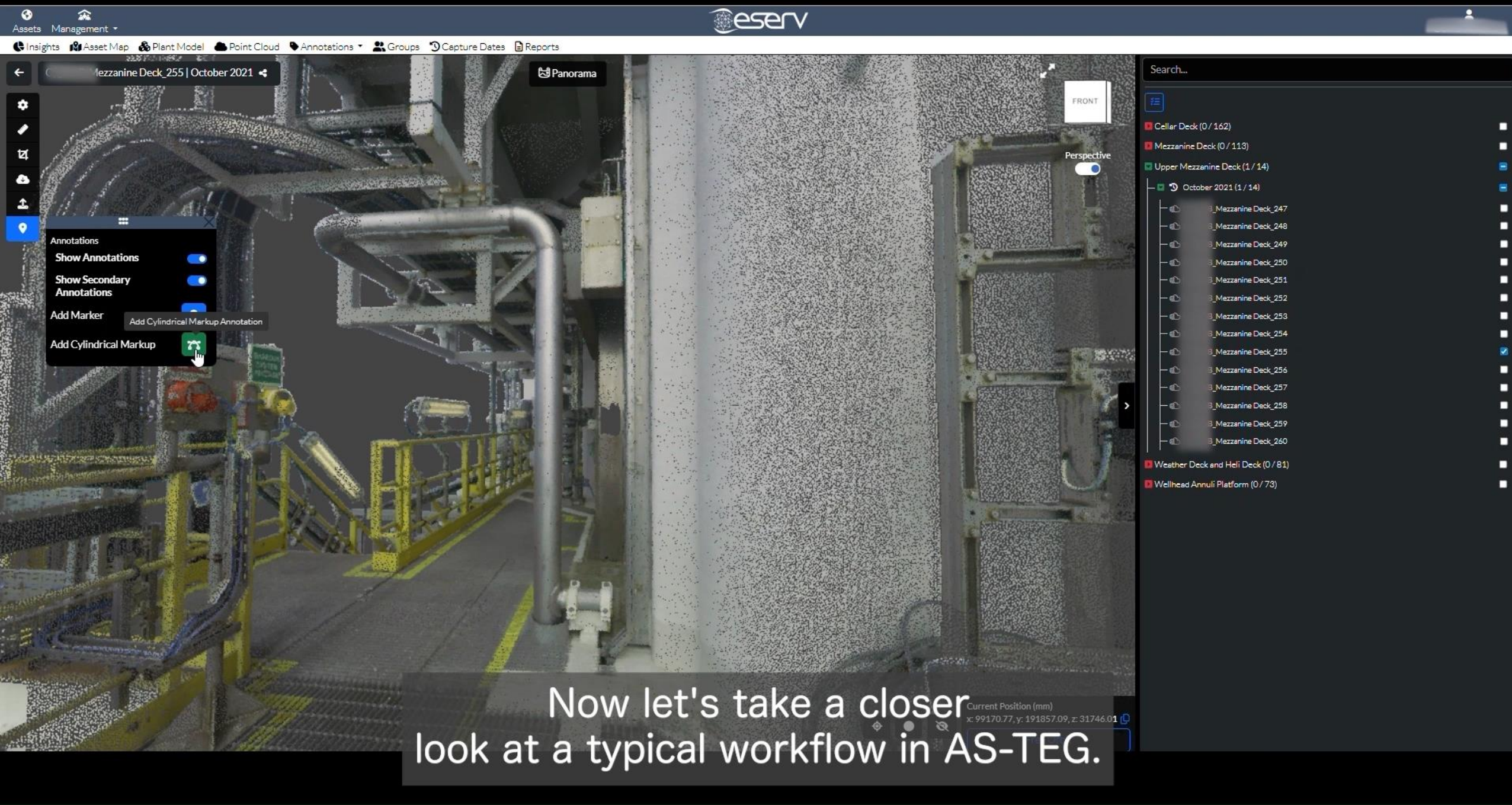
Remote monitoring & troubleshooting enabled through integration with live sensor data

140 live users across:

-  Engineering
-  Site technicians/operations
-  HSE
-  Digital & IT

Full equipment register in AS-TEG™

 **1,195** equipment tags already





Thank you for your attention.

Questions?

Dan Millard, Founder & CEO, eserv

Alan Bibb, Technology Manager – Enterprise Systems & Change, SSE Thermal