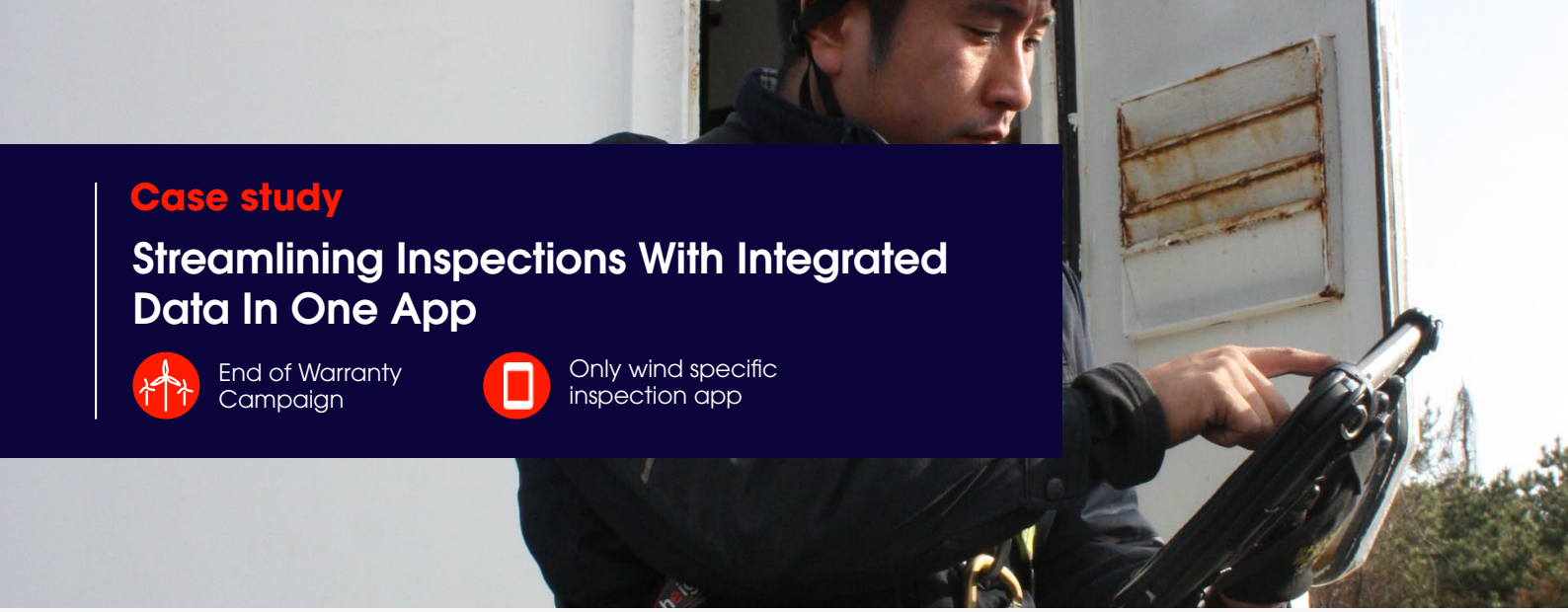

Case study

Streamlining Inspections With Integrated Data In One App

End of Warranty Campaign

Only wind specific inspection app

Client

ONYX Insight has been working with Shermco, North America's largest electrical testing organisation on a three-year contract across multiple onshore wind sites.

The scope of the project was to support the company's end of warranty inspection reporting.

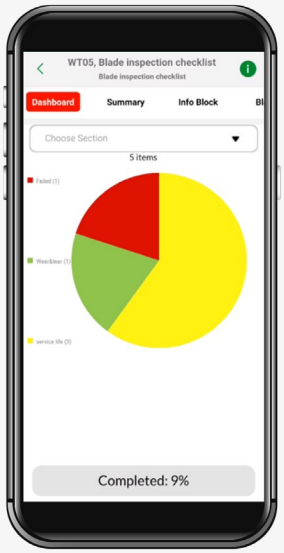

Figure 1: ONYX's fieldPRO mobile inspection and services application

Challenge

With many different sources of data, Shermco had reported some quality issues in their inspection reporting. This included storing measurement data in Excel, whilst maintaining pictures in a folder, which was time-consuming and difficult to cross-reference.

Their reports team had to manually bring files into one place for a report, which was labour intensive, adding unnecessary admin to the team's workload. Shermco therefore sought a solution that delivered a higher quality of reporting, requiring fewer admin resources, which in turn enabled them to prioritize any issues, such as component failures to minimize downtime and efficiently schedule their O&M.

Solution

"We have been working with ONYX Insight engineers, and their dedicated inspections platform fieldPRO, to streamline our inspections process across multiple sites.

With this combination, we were able to integrate our data really easily, moving from pen-and-paper to a digital approach, which has **saved us significant hours for every report.**

It has also meant that we can **communicate more easily across teams on inspections** and remedy any immediate turbine health issues with greater urgency."

Paul Inman
Services Supervisor, Shermco

Shermco implemented ONYX's data-driven inspection technology fieldPRO to support its inspections, daily preventative maintenance, repairs, and reporting.

The ONYX team of engineers conducted training with the team at Shermco to enable them to easily utilise the technology quickly and effectively to ensure instant value from fieldPRO.

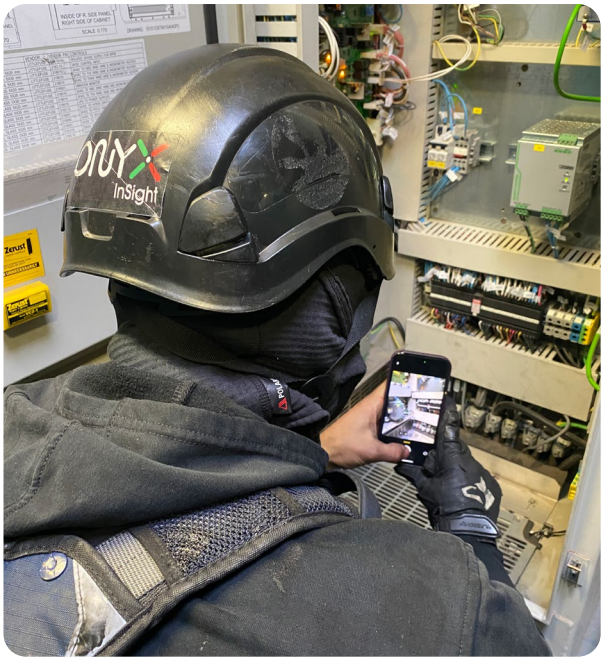

Figure 2: Field engineer completeting an inspection using the fieldPRO phone app

Benefits

fieldPRO is the only wind-specific mobile and web inspection application that enables field service teams to quickly collect information and observations on assets. This is ideal for informing on future O&M decisions, which Shermco now benefits from.

Once set up, the Shermco team was able to compile data from large inspection, installation, and maintenance campaigns at scale, whilst storing and managing all inspection data in one app. Previously siloed data can now be brought together without loss of quality or integrity, generating accurate reports at the click of a button.

Once generated the reports are visible to the whole team, with engineers' comments automatically mapped to components. fieldPRO has enabled the Shermco team to move from manual pen-and-paper to digital, streamlining their operations and communication across teams. This has saved both time and money, delivering the Shermco team with greater efficiencies in data and best practices.

"We are pleased to have been chosen by Shermco to help them gain greater insight into the health of their turbines, within their end-of-warranty phase.

fieldPRO is a must-have for anyone involved in wind turbine inspections and is currently installed on over 300 wind farms in 12 different countries, providing multiple benefits for OEMs."

Pete Cole
Senior Product Manager, ONYX Insight

Go digital without the pain

Developed by ONYX Insight, field**PRO** is a mobile and web, cloud-based inspection and service tool that maximises the safety and efficiency of rotating machinery and equipment inspections.

With ONYX Insight's engineering expertise built in, it makes the transition from **pen and paper to digital** recording easy, opening the door to a fully digitalised O&M approach.

- Collect field data clean first time
- Mitigate safety risks
- Stay in control of field operations at your desk
- Empower field teams with O&M

fieldPRO
By ONYX Insight