FischerPanda UK | POWER SOLUTIONS

CASE STUDY

# Where Heritage Meets Innovation: Powering a Viking Expedition

The 2025 voyage of the Saga Farmann brought together the Oseberg Viking Heritage Foundation, Fischer Panda Germany and Fischer Panda UK | Power Solutions, in a collaborative effort to ensure that this historic vessel could complete its annual long-distance expedition, called Saga Lundewic.

The project combined heritage, engineering, and sustainability, reflecting shared values of craftsmanship, international cooperation, and innovative design.

SAGA 2025 LUNDENWIC
Follow the vikings

Civitavecchia - 15 May
Genoa - 31 May
Nice - 14 June
Marseille - 21 June
Lyon - 5 July
Macon - 5 July
Corbeil-Essonnes - 17 July
Paris - 26 July
Honfleur - 16 August
London - 31 August


## PROJECT OVERVIEW

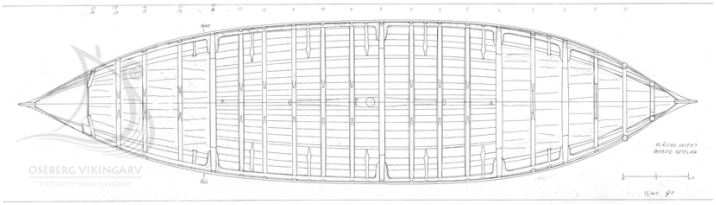
During preparations for the Saga Lundewic expedition in March 2025, the crew discovered that extreme weather in Italy had left the vessel's existing generator system inoperable. With the entire 2025 voyage at risk, they approached Fischer Panda UK | Power Solutions for a reliable and future-proof alternative power source.

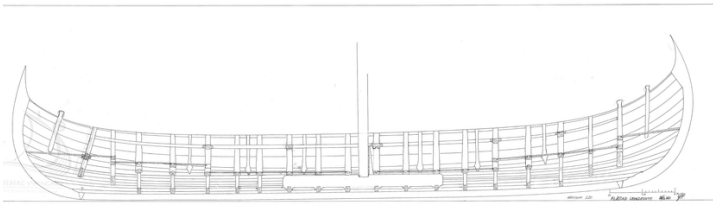
To commence their journey from Civitavecchia to London, Saga Farmann required dependable power for electric cruising, battery charging, safety systems, and other onboard operations.

Fischer Panda Germany and Fischer Panda UK worked closely with the Foundation to deliver two 8000x Panda Generators within the tight timeframe, ensuring the voyage could proceed as planned.

# HONOURING HERITAGE THROUGH INNOVATION

The Oseberg Viking Heritage Foundation is dedicated to preserving and sharing the maritime heritage of the Viking age. Through traditional boatbuilding, historical research, and cultural exchange programmes, the Foundation brings ancient seafaring techniques into a modern context. Volunteers, craftsmen, historians, sailors, and engineers from across Europe contribute to the project, creating a truly multicultural and community-led initiative.



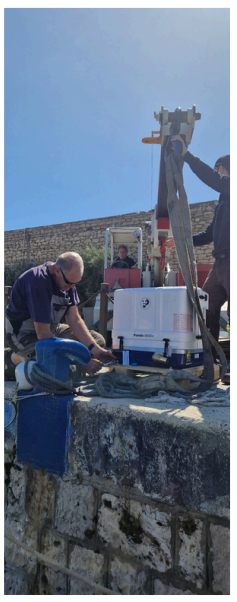
The ship ‘Saga Farmann’ is an archaeological reconstruction of the Klåstadskipet from around the year 998. Built by professionals and volunteers using traditional methods and materials, the ship also integrates selected modern technologies such as electric propulsion and hybrid power, making it the ‘world’s most modern Viking ship’.

These enhancements support the demands of long-distance expeditions, where reliable onboard systems and precise scheduling are essential. Volunteers join the voyage for two-week periods to experience Viking life first-hand, while each leg of the journey includes stops for cultural exchanges, public engagements, and meetings with partner organisations, making strict timing crucial regardless of weather or tidal conditions.

## VALUES THAT STAND THE TEST OF TIME

This blend of heritage, innovation and international collaboration reflects values that Fischer Panda shares, particularly a commitment to engineering expertise, dependable support and working across borders to keep ambitious projects moving forward.

It also highlights the breadth of vessels that can be seamlessly powered by Fischer Panda systems.



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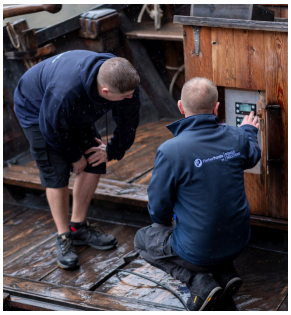
# ONBOARD POWER SYSTEM:
# 2x Panda 8000x Generators


- Compact, below-deck installation to preserve the ship's traditional appearance
- Integration with electric azimuth propulsion from SeaDrive and battery charging/monitoring system from Eltek
- HVO compatibility to reduce environmental impact and support sustainable cruising
- Electrical control panel discreetly fitted within the existing interior
- Reliable and quiet operation to support electric cruising, battery charging, and essential onboard systems
- Backed by an international support network across Europe

## Fischer Panda 8000x Generator

| | |
|---|---|
| Generator Type | x-series |
| Generator Version | PMS |
| Capsule Type | GFK 3D |
| Control System | xControl / fpControl |
| Voltage Tolerance | 3V |
| Cos Phi | 0.85 |
| Cooling | water |
| Sound Levels dB(A) [7m/3m/1m] | 52 / 62 / 67 |
| Weight (kg) | 164 |
| Capsule Dimensions (excl. fittings) | 595 x 445 x 555 |

Due to tight scheduling in Italy, installation was carried out by the Foundation's own engineers with remote guidance from Fischer Panda UK | Power Solutions. Following the expedition, the generators were serviced and winterised at St Katharine's Docks in London.



'Without the swift support from Fischer Panda Germany and Fischer Panda UK, the Foundation would not have been able to undertake the 2025 expedition. The crew could complete each leg of the journey with confidence, maintaining strict schedules while engaging in cultural exchanges, public events, and educational activities across multiple countries.'

**Lars Bill**
Leader of the Oseberg Viking Heritage Foundation

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# IMPACT

The replacement generator system provided Saga Farmann with dependable auxiliary power for safe hybrid cruising, battery charging, safety systems, and onboard operations throughout the 16 week European voyage.

Arriving in the UK, Saga Farmann became the first Viking ship for which Tower Bridge has opened in centuries. She was moored at St Katharine Docks and participated in several events between August and December, before moving to Gillingham Marina for winter dry docking.

## A CONTINUING PARTNERSHIP

The collaboration strengthened the relationship between Fischer Panda and the Foundation, with plans to continue supporting future voyages, including visits to additional European service centres. The project highlights how combining heritage expertise with modern engineering, sustainable technologies, and a robust international support network can enable ambitious projects to succeed.

Fischer Panda UK | Power Solutions provides complete system solutions for the marine, vehicle and defence sectors. Fischer Panda generators and propulsion | Mastervolt power electronics | CZone digital switching | Clayton Power all-in-one-power system | EFOY fuel cell system | Integrel engine power | Parker and Wananchi watermakers | Autoclima, Eberspächer and Dometic climate control.

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