



OWNER'S ENGINEER · OFFSHORE WIND · HVDC

AVAILABLE FOR NEW MANDATES

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Vendor-neutral SCADA & Telecom expertise — from FEED and tendering through commissioning

Protecting developer & TSO interests at every project phase · 15+ years exclusively in offshore wind

SERVICES

FEED Support

Basis of design, system architecture, vendor-neutral SCADA & telecom specifications.

Tendering Support

Technical scope drafting, bid evaluation, independent contractor selection support.

Owner's Engineer

Independent oversight across design, FAT and commissioning — your interests protected.

OT Cybersecurity

IEC 62443 zone/conduit design, network segmentation, SL-C 2 compliance review.

Commissioning

SCADA/telecom SAT, FAT, offshore integration oversight and punch list management.

WHY SCADA FORTIS

Vendor-independent

No commercial ties to ABB, Siemens, GE or Schneider. Your interests protected.

Offshore wind only

15+ years exclusively offshore. No learning curve, no generic

Full-stack expertise

SCADA + telecom + OT cybersecurity in one profile — no handoff

FEED-to-handover

Fluent in specifications, bid evaluation, and commissioning —

TECHNICAL EXPERTISE

ARCHITECTURE

HVDC & HVAC offshore substation SCADA architecture
OSS/OWF SCADA redundancy: hot / warm / cold standby
SCADA system sizing, SIL & cyber risk assessment

STANDARDS

IEC 61400-25 · IEC 61850 · OPC UA
IEC 60870-5-101/104 · DNP3
IEC 62443 OT security — zones, conduits, SL-C 2

TELECOM

Offshore fibre backbone & MPLS ring design
PAGA, private LTE, VSAT satellite backup
OT network segmentation & firewall architecture

PLATFORMS

ABB · Siemens · Schneider · GE
ALSPA
Vendor-independent technical assessment
FAT / SAT witness & punch list management

CERTIFICATIONS

GW0 Basic Safety

BOSIET / HUET

Offshore Medical

IEC 62443

IEC 61850

IEC 61400-25

PROJECT REFERENCES

Ørsted — Hornsea 3 HVDC CURRENT

Site Engineer Representative — Hitachi Energy HVDC converter station commissioning, North Sea

Ørsted — 2 further projects COMPLETED

OSS SCADA commissioning, HVDC & HVAC platforms, North Sea (Borssele 01/02, Borkum Riffgrund 2)

Vattenfall / RWE — Norfolk cluster COMPLETED

SCADA & telecom specification, OFTO interface, UK NIS cybersecurity — FEED through commissioning

ENGIE Fabricom — 3 projects COMPLETED

Veja Mate · Merkur · Baltic Eagle — HVDC platforms, QA/QC Commissioning Manager

EDF Renewables — 2 projects COMPLETED

SCADA & telecom engineering, offshore substations (Fécamp, Saint-Nazaire)

50Hertz / TSOs COMPLETED

FEED-phase SCADA & telecom specification, offshore HVDC grid connection

FORTIS CONNECT Signal Mapper

Free signal-conflict detection tool for offshore wind SCADA interfaces.
IEC 61850 LN validation · Per-WTG conflict mapping · No upload · 100% browser

abdelscadafortis.github.io/signal-mapper

Free tool