

DATA ENGINEERING FOR OFFSHORE OPERATIONS

Your operational data cannot reference itself. We fix that.

SCADA readings, maintenance logs, weather windows, vessel and crew systems, scheduling workbooks: everything needed to run an offshore operation already exists, spread across systems that cannot see each other. We build the pipelines and data infrastructure that connect them.

WHERE OUR WORK SITS

SOURCE SYSTEMS

SCADA · per turbine

Maintenance logs

Weather · sea state

Vessel · crew systems

Scheduling workbooks

THE DATA ENGINEERING LAYER · JINKA

Standardize

One schema across turbines, sites and vendors, so numbers from different sites can be compared directly.

Clean

Faulty sensor readings and communication gaps handled before they reach a model or a report.

Enrich

Maintenance records, weather context and certifications joined to the readings they explain.

WHAT IT ENABLES

Conflict-free scheduling

Predictive maintenance

Weather-window planning

Fleet dashboards · reports

PROVEN OFFSHORE · TAICHUNG OFFSHORE PARTNER, TAIWAN

For TOP, an offshore wind O&M consultancy, we replaced disconnected scheduling workbooks with one system that sequences tasks, matches certified crews to equipment, and turns a day red the moment two tasks claim the same crane or transporter.

"Fast, professional, and genuinely invested in finding the right solution." — Peter Olesen, CEO of TOFFP

- 01 **Conflicts caught automatically**, before a vehicle or crew is dispatched.
- 02 **One top-down view** of every task, crew and asset in progress.
- 03 **Minutes, not hours** to replan when weather moves a date.

WHERE ELSE WE CAN HELP AN O&M AND ASSET MANAGEMENT OPERATOR

- 01 **Portfolio scheduling tools.** Connected Gantt and package-management systems across multiple assets and contractors, replacing per-site spreadsheets with one shared structure.
- 02 **Data & cloud.** Consolidating SCADA, OT, and reporting data onto a reliable, compliant cloud foundation built around your infrastructure and security requirements.
- 03 **Workflow automation.** Removing manual reconciliation between systems, from spreadsheets to n8n, so schedule, cost, and status data update themselves.
- 04 **AI engineering.** Practical AI built into existing operations workflows: flagging anomalies, drafting reports, surfacing risk earlier.
- 05 **BI & reporting.** Dashboards across your asset portfolio for real-time visibility into schedule, cost, and crew utilization, without waiting on a status report.
- 06 **Fractional CTO.** Senior technical leadership on tooling and architecture decisions, cloud cost optimization, and evaluating vendors and platforms, without a full-time hire.

Let's talk.

A 30-minute call is enough to map which systems hold your scheduling, maintenance and SCADA data today, and what it takes to connect them. [Get in touch →](#)

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