

SCADA

SUPERVISORY CONTROL AND DATA ACQUISITION



The RES team of highly experienced SCADA and telecommunications engineers can help reduce the risk and cost of your offshore wind farm. RES SCADA services are tailored to client requirements and range from specialist tasks to responsibilities across all project phases of a project: FEED, procurement and construction, and into operations.

Project Design Services include:

- Overall scheme SCADA/telecoms/networks architecture and design
- Scheme options evaluation, optimisation and integration
- Creation of ITT technical specification and definition of scope(s)
- Operations centre scheme integration
- Construction telecoms, including vessel and personnel movement tracking
- Specialist SCADA systems (e.g. structural or cable temperature monitoring)

Procurement and Construction Services include:

Bid evaluation:

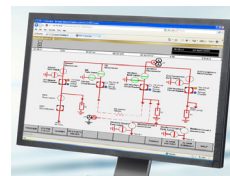
- Cross-party scope gap analysis
- Bid clarification
- Alternative proposal evaluation

Health & Safety:

- Risk Assessments & Method Statements [RAMS]
- Contractor RAMS review and improvement

Detailed Design:

- SCADA architecture – integrated scheme design
- Cross-party interface design and management
- Telecoms design, including link calculations
- Data feed definition



Project execution management:

- Ongoing contractor design review against contract scopes and requirements
- Cross-party interface definition and management
- Site installation/commissioning supervision including scheme integration
- Review and improvement of Contractor Design & As-Built documents and Test Results

Client representative:

- Factory Acceptance Testing
- Contractor and cross-party Site Acceptance Testing
- Site final compliance testing

Onshore and subsea power export cables:

- Cable-embedded telecoms requirements definition
- Route installation methodology review (eg. jointing plan)
- Contractor task method review
- Cable delivery and installation supervision
- Contractor-to-contractor handover, test and results review
- Final telecoms testing

Operations Support and Asset Monitoring including:

- Technical support and operator training
- Performance monitoring and optimisation
- Event investigation/analysis
- Upgrades and new feature enhancements

About RES Offshore

RES Offshore offers integrated development, engineering, construction and AO&M services for utility-scale renewable energy projects. From offshore wind to wave and tidal, we bring to projects the considerable skills and experience that we have acquired over 30 years in the renewables industry. RES Offshore is part of the RES Group, one of the world's leading renewable energy project developers. To date, RES has delivered more than 8000MW of wind energy capacity worldwide.

We welcome the opportunity to discuss how we may support you – please call +44 (0)1923 608 200 and ask to speak to our Business Development Team

For further information:

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