

Project Management Service

Your partner for international project success



Company Profile

Corporate Group

TaiichiO & Wolf Projects focuses its activities on the management and execution of steel projects.

We are part of the GreenSteel Group, which offers a wide range of services and products to the global steel market, using its proven lean project management model



Integral Project Management with ON-SITE Team

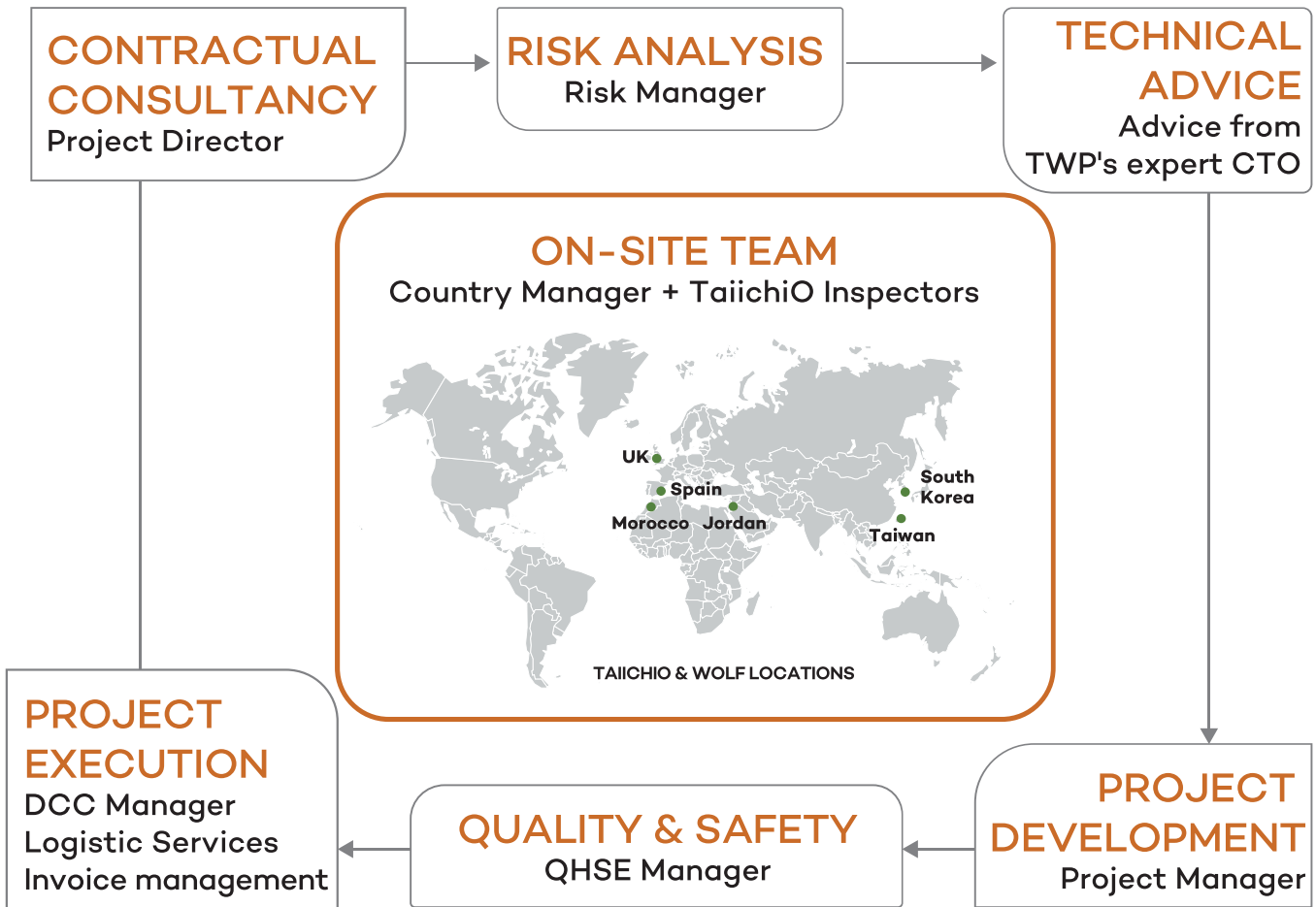
TaiichiO & Wolf Projects offers a INTEGRAL SERVICE that includes all phases of the PROJECT:

- Consulting
- Planning
- Execution
- Risk Management
- Process control

The presence of **highly qualified ON-SITE TaiichiO personnel** at the main manufacturing sites allows us to monitor the execution of the project on a personalised basis.

The objective is to guarantee the compliance and quality of the actions developed to provide **comfort and security** to our customers.

TaiichiO has extensive experience in project management in many countries. This has enabled us to create a **highly qualified and experienced team** to advise and assist companies in developing their **international projects**.



Sectors & Industries

TAIICHIO HAS EXPERIENCE IN PROJECTS IN A WIDE RANGE OF INDUSTRIAL SECTORS

Power Generation
Hydrogen and green gas
Renewable fuels



LNG
Oil refineries
Chemicals and biomaterials
Fertilizer plants



Water Conduction
Water cooling systems
Compressed air system



Carbon capture
Environmental treatment
Networks



Project Management Process

TaiichiO's philosophy for project execution is based on long-established practice to ensure successful completion to meet Safety, Quality, Cost and Schedule requirements.

TaiichiO project management involves the coordination of project developers, suppliers, financing entities and customers.

Our company develops a very detailed risk management PDCA process during the complete execution of the projects, with high performance results:

Effective management of renewable energy projects with a comprehensive planning and execution process, as well as the ability to manage risks and overcome obstacles.

TWP PROJECT TEAM STRUCTURE

Team with extensive experience in project implementation

- Director of Projects
- Chief Technical Officer
- Project Manager
- QHSE Manager
- On-Site Project Manager
- Deputy Project Manager
- Risk Manager
- International Welding Engineering
- DCC
- Local Inspectors
- Logistics Manager
- Account Manager
- Legal Manager

PRE-PRODUCTION PHASE



PROJECT MANAGEMENT

Project Planning

- Detailed and exhaustive project planning by establishing the actions to be completed on time.

Meetings

- (KODM) Kick-Off Documentation Meeting
- (WM) Weekly Control Meetings
- (KOM) Kick-Off Meeting
- (PPM) Pre-Production Meeting

Delivery and production schedule

DOCUMENT AND RECORD MANAGEMENT (DCC)

Preparation of the list of documents Required (**MDR**) acc to approved requirements.

Elaboration and/or revision of manufacturing procedures

Control of the document review and/or approval process (via Transmittal)

Control of the Workshop Drawings review and/or approval process (via Transmittal)

QHSE MANAGEMENT

- QHSE Plants Audits
- Certification process Audit for ISO 9001, ISO 3234, ISO 1090 ...

TECHNICAL SUPPORT

Detailed study of **employer's requirements**

Preparation and control of **Technical Requests:**

- (DR) Deviation Request
- (TQ) Technical Query
- (CR) Concession Request

Detailed study of the **MTO** (Material Takeoff)

- Adaptation to the manufacturing constraints

Revision of **Workshop drawings** for AFC approval by the employer

CONTRACT MANAGEMENT

Contract monitoring and management:

- Monitoring progress
- Identification of potential problems,
- Change management
- Monitoring of contractor's compliance

RISK MANAGEMENT

To manage risk, TaiichiO and Wolf Projects will assess all contracts at various levels within the company to identify commercial, financial and technical risk exposure.

- Identification, analysis and assessment of **potential threats**
- Preparation and control of **Risk Letters**

Choose the option that suits you

	CONTRACT MGMT	PROJECT MGMT	RISK MGMT	QHSE MGMT	DCC MGMT	COUNTRY MGMT	TPI
Pre-production phase	✓	✓	✓	✓	✓		
Production phase		✓	✓	✓	✓	✓	✓
Closure phase		✓	✓		✓		

➤➤➤➤ Example of a TaiichiO matrix of services customisable by the customer according to the needs of the project.

PRODUCTION PHASE



PROJECT MANAGEMENT

Project monitoring

- Collecting, recording and reporting on project results shared in a weekly report with the employer

Reporting

- Project progress reports prepared by the Project Manager, with information collected by the on-site inspection team

TPI MANAGEMENT

TWP's local inspection team compiles the quality reports generated during manufacturing.

These reports are entered daily into the corporate cloud-based tool developed by TWP to enable real-time monitoring of project execution.

Reports collected: AFC, MTC, RIR, VT, MT, UT, Welding Log, Dimensional Reports, IRN, Logistic docs.

QHSE MANAGEMENT

- Inspection of facilities during manufacture
- Operator Qualifications
- HSE and weekly accident log

RISK MANAGEMENT

Risk Monitoring and Review

- Risk detection during production
- Risk assessment
- Verification of the effectiveness of corrective actions

ON-SITE MANAGEMENT

Production report prepared by the Country Director and shared with the employer on a weekly basis with information on monitoring, auditing and reporting:

- Incoming raw material inspection
- Manufacture monitoring
- Quality tests reports
- Material Certificates
- Product Traceability

DOCUMENT AND RECORD MANAGEMENT (DCC)

- Management and control of quality reports issued during the manufacturing process.
- Notification of Inspections

CLOSURE PHASE



PROJECT MANAGEMENT

TaiichiO's project according to client's standards:

- Management of non-conformities
- Management of comments to MRBs
- PR Release & Delivery: Import/export knowledge, logistic documentation, packing and storage...
- Invoicing

RISK MANAGEMENT

Elaboration of **lessons learned** during the process for continuous improvement of project management.

DOCUMENT AND RECORD MANAGEMENT (DCC)

Preparation and Issuance of the Manufacturing Record Book (MRB)

Project Documentation

At the beginning of the project a List of Required Supplier Documents (**MDR**) list is agreed with the employer.

Once approved, TaiichiO prepares all the documentation following the **project requirements** and starts sending the procedures prioritising those indispensable for the start of manufacturing.

TaiichiO controls the comments made by the employer to the documents, speeding up this review process as much as possible.

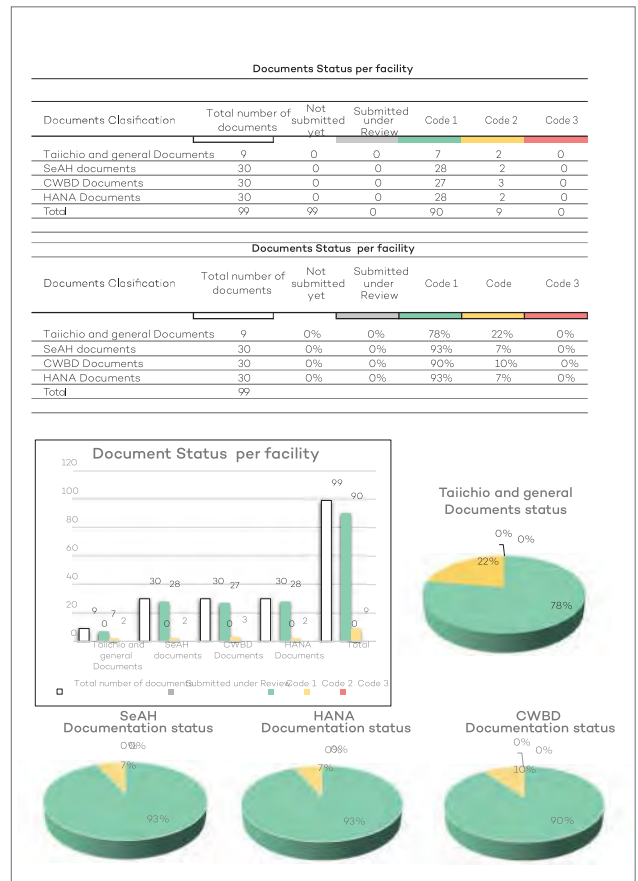
All new Customer Specifications or amendments received at TaiichiO and Wolf Projects are reviewed, verified and added to the master list.

The documents are shared via official communication (Transmittal) conveniently numbered and identified to ensure control of sending information.

Project Drawings

Once the MTO of the project is approved, TaiichiO starts the process of generating the workshop drawings. These are reviewed by the Project Manager before being sent by DCC in official transmission to the client for AFC approval.

Documentation Status Example



Document Control Center Service

During the production phase, a large amount of information is generated and has to be managed by DCC.

Authorisation to Start Fabrication

It contains all the information concerning the manufacturing authorisation request that takes place at the Pre-Production Meeting between TaiichiO and the customer.

Notice Of inspection

The manufacturer sends daily and/or weekly Inspection Notifications during the manufacturing process in accordance with the approved Inspection Test Plan (ITP). TaiichiO ensures that the information is issued and received in a timely manner.

Weekly Report

The weekly report is a tool that quickly, easily and clearly reflects the status of the project on a regular basis. In this document, the Project Manager collects all the essential information to know where the project stands and if there are any problems or issues that require attention.

Weekly Report Example



Manufacturing Record Book

The information generated during the manufacturing phase is compiled in an MRB document that is sent to the customer for approval. TaiichiO will submit a the document, with a Full Traceability Matrix of quality reports, comprised by the approved Index of Content for all the pieces delivered.

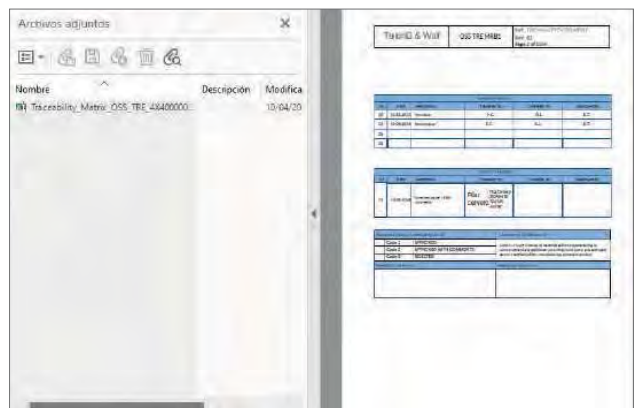
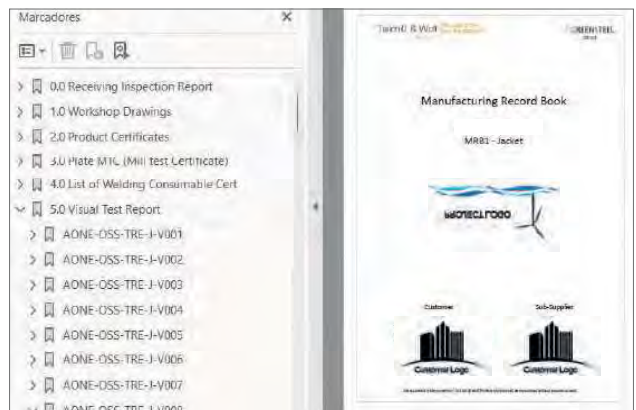
Traceability Matrix

To allow all parties the identification of applicable reports to each piece, a detailed Traceability Matrix in Excel format will be provided, including complete information per item

Effective documentation management

This entire quality reporting process is carried out in record time. The online tool created by TaiichiO, fed by our on-site team, allows us to record all the information on a daily basis and make it immediately available to the employer.

Manufacturing Record Book Example



Third-Party Inspection

The TaiichiO team consists of professionals with extensive experience in offshore projects. The aim is to ensure that the manufacturer meets all the employer's requirements, according to the established quality standards and on schedule.

TaiichiO develops and ensures constant supervision throughout the entire manufacturing process. To this end, our qualified team of on-site inspectors (independent of the manufacturing company) performs all types of analysis co-ordinated by our on-site Project Manager and supervised by our specialists.

QUALITY ASSURANCE

- ✓ Meets manufacturing requirements
- ✓ Meets quality standards
- ✓ Meets established deadlines

Welding Quality Control:

TaiichiO and Wolf Projects ensures compliance with all Project Fabrication Requirements and are correctly understood and applied by the Subcontractors in charge of welding activities.

TaiichiO inspectors in Korea make a daily report of the actions carried out at each of the plants. Supervision of welding activities by local TaiichiO inspectors ensures:

- Approved WPS
- Welding parameters
- Welding log data
- NDT reports and results

On a weekly basis the following KPI's will be reported:

- Weld Defect/Repair Rates
- HSE Statistics
- Progress of activities (actual vs planned)



Cutting Inspection



Bending Inspection



Ultrasonic Inspection



Magnetic Particle Inspection



Dimension Control Inspection



Marking Inspection

'AI Cloud' Project Management

TaiichiO & Wolf Projects uses a corporate cloud tool to allow the project execution **monitoring in real time**.

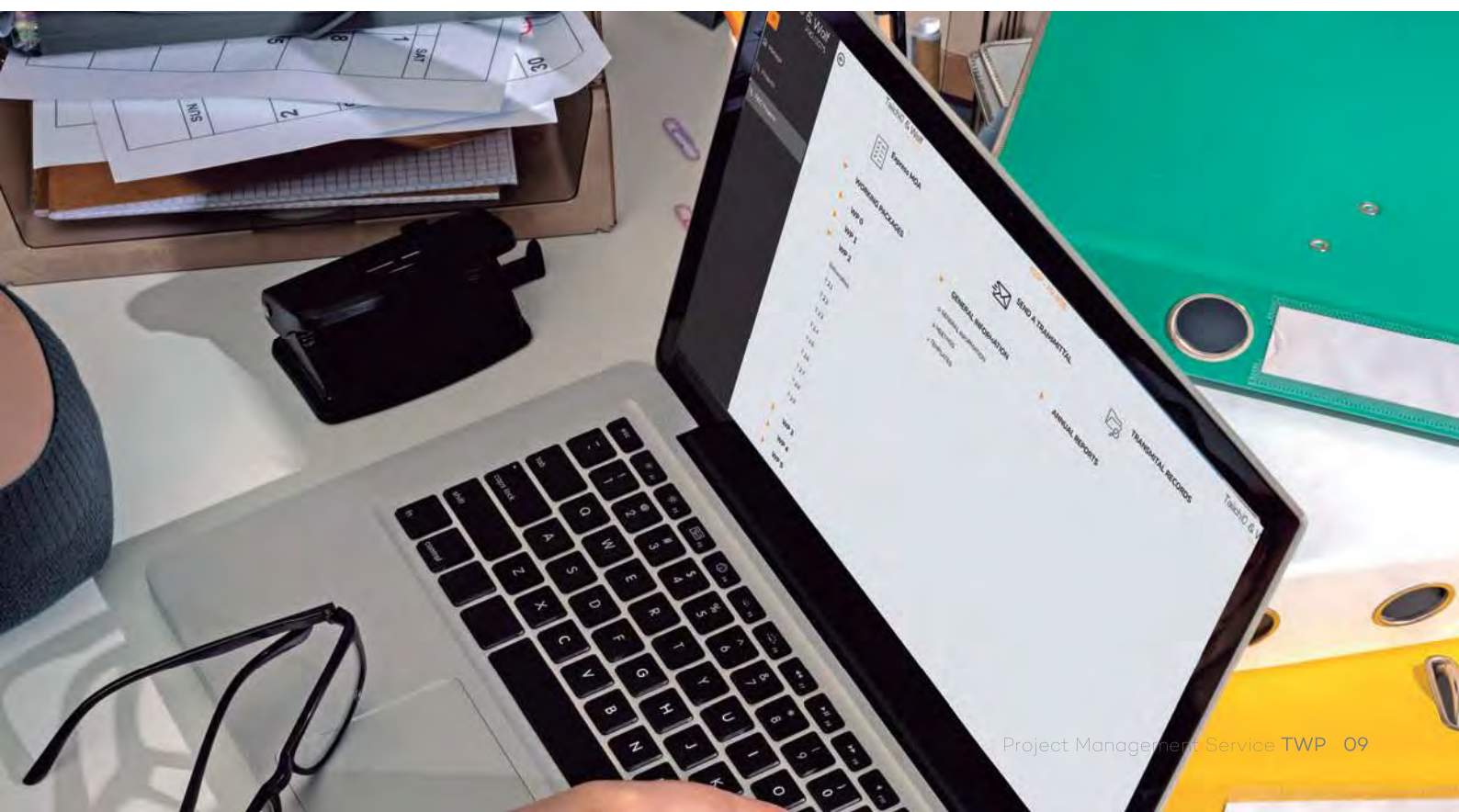
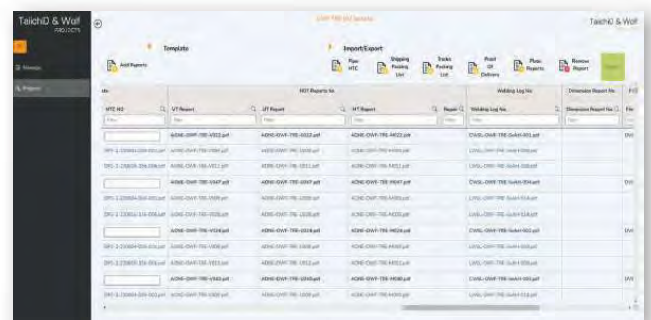
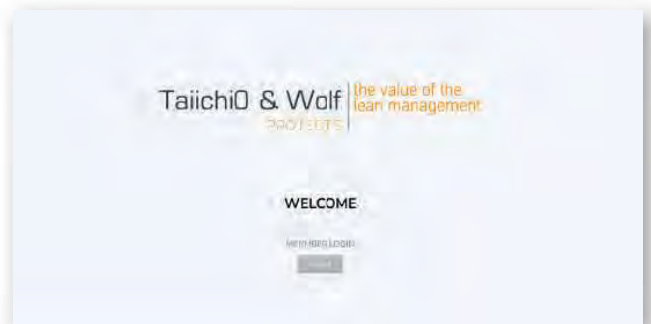
The value of this customised tool is to unlock and contextualise the data generated during manufacturing to make it accessible to everyone and facilitate better and faster decision-making.

- **Real-time manufacturing control**
- Customer can log-in daily, either for to **check the status or download reports**.
- TaiichiO **inspectors** at each manufacturing plant update the situation and report of each component daily.
- This Cloud Management Tool will include the **CO₂ footprint** of each piece.

ENVIRONMENTAL COMMITMENT

TaiichiO & Wolf Projects is committed to a sustainable future by helping companies to develop sustainable projects by creating market demand for the net zero steel value chain:

- Evaluation and quantification of CO₂ emissions across the value chain.
- Mitigation and Compensation Plan to reach the net-zero goal before 2030
- Execution and monitoring of Mitigation and Compensation Plan



Projects References



OSS NOY
Offshore Wind Farm

Scope

Manufacture of pipes for Full Jacket & Pin Piles

Supply

1 OSS jacket / (1.180 tons)
4 Pin Piles / (328 tons)

Location

France

Total Capacity

496 MW



OSS DBC
Offshore Wind Farm

Scope

Manufacture of pipes for Jacket, J-Tubes, Boat Landing, Caissons & Grillage

Supply

1 OSS jacket (2.290 tons)

Location

England

Total Capacity

3.6 GW



OSS TRE
Offshore Wind Farm

Scope

Manufacture of pipes for Jacket, Piles Sleeves, J-Tubes, Boat Landing, Cable Deck.

Supply

1 OSS jacket / (2.268 tons)

Location

France

Total Capacity

496 MW



OSS GRILLAGE
Offshore Wind Farm

Scope

Manufacture of Grillage for OSS: workshop engineering, load-out beam fabrication.

Supply

4.600 tons

Location

German North Sea

Total Capacity

2 GW



OSS DBC PILES
Offshore Wind Farm

Scope

Fabrication Engineering, Piles Full-Length assembly, Shear Keys & Marking

Supply

4 Pin Piles (1.800 tons)

Location

England

Total Capacity

3.6 GW



OWF WINDANKER
Offshore Wind Farm

Scope

Supply of plates for the manufacture of TP's.

Supply

21 MP TPS (6.000 tons)

Location

Germany

Total Capacity

315 MW



OWF TRE
Offshore Wind Farm

Scope

Manufacture of pipes for 62 WTG foundations (Jacket type)

Supply

62 jackets (37.000 tons)

Location

France

Total Capacity

496 MW



OWF SBC
Offshore Wind Farm

Scope

Manufacture of pipes for 62 WTG foundations (Jacket type)

Supply

62 jackets (40.000 tons)

Location

France

Total Capacity

496 MW



OWF Changhua
Offshore Wind Farm

Scope

Supply chain development for full jackets fabrication.

Supply

1.779 tons

Location

Taiwan Strait

Total Capacity

900 MW



OWF EAST ANGLIA ONE
Offshore Wind Farm

Scope

Manufacture of pipes for 32 WTG foundations (Jacket type)

Supply

32 jackets (21.000 tons)

Location

North Sea

Total Capacity

714 MW



KSSP
Photovoltaic Solar Offshore

Scope

Project under development for the design of the structure for a floating platform for solar panels.

Supply

100 tons

Location

Valencia Port

Total Capacity

1 MW



ONSHORE SOLAR PLANTS
Photovoltaic Solar Plant

Scope

Development of the supply chain for raw materials & profiles for onshore solar panel structures.

Location

Spain

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PROJECTS



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