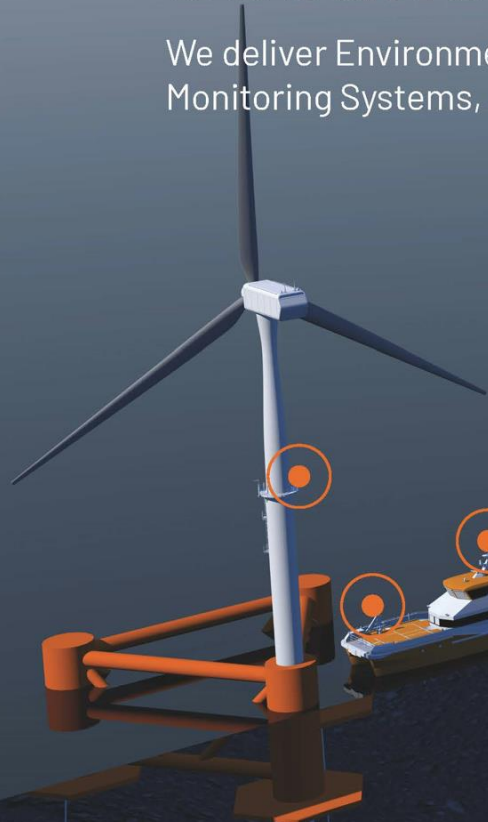


Meteorological and Oceanographic Data Systems

We deliver Environmental Monitoring Systems, Helideck Monitoring Systems, Structure and Motion Monitoring Systems



Strain Gauge Monitoring Systems

Helideck Monitoring Systems

Data Acquisition and Monitoring

Buoys for Meteorological and Oceanographic Sensors

Ship Instrumentation & Vessel Motion Monitoring Systems

Harbour Monitoring Systems

Air Quality Systems

Confidential

WISE GROUP

21st July 2023

Who We Are

- A leading system house specialising in structural, meteorological and oceanographic data systems
- Products include Weather Stations, Helideck and Vessel Motion Monitoring systems, and all kind of Instrumentation systems for marine and offshore wind applications
- We design systems for the harshest environments and partner with top manufacturers to integrate specialised sensors
- Our offerings include our globally recognised DADAS software suite

WISE Group

- The WISE Group is a new branding of two highly reputable businesses in this market
 - WISE Group – Automasjon & Data, based in Stavanger, Norway, was founded in 1991 with historical roots back to before 1980 in the North Sea MetOcean market
 - WISE Group – Muir Matheson, based in the Aberdeen area, Scotland, was founded in 1974 and has been one of the leading MetOcean system providers for several decades
- After joining forces in 2021, we are undoubtedly one of the market leaders worldwide for systems and services in the MetOcean domain
- Offices in Norway, Scotland & France
- Involved in the Offshore Wind market since 2008



Consultancy and Engineering

- Advise on equipment selection, location, problem-solving, specifications, etc.
- Writing specifications, measurement reports, survey reports, test reports, etc.
- Training sessions for all systems and software products, including regular training for Helideck Monitoring Systems and regulations.

Systems

- Weather Stations & Environmental Monitoring Systems
 - Environmental Monitoring sensors and systems for marine and offshore applications, from compact Weather Stations to complex networks
- Helideck Monitoring Systems
 - Certified manufacturer of HMS systems compliant with CAP 437 & other regulations.
- Stress Monitoring Systems
 - Structural Monitoring Systems, Hull Stress Monitoring Systems, Design Verification Systems.
- Motion Monitoring Systems
 - 3D Motion sensors (A+D exclusive sensors) for motion measurement and structure cartography in a matrix configuration
- Integrated Marine Monitoring System (IMMS)
 - Complex MetOcean systems combining Weather and oceanographic parameters in a fully integrated software system



Installation, Service and Maintenance

- Our staff of clever and very experienced service engineers can mobilise for tasks worldwide on short notice
- Installation support, Commissioning of systems, Calibration of sensors and systems and Verification testing of motion sensors and HMS-systems
- Ongoing service and maintenance contracts with several offshore systems on more than 20 platforms – including online service on many of these

Sensors, Software & Displays

- MetOcean and Structural Monitoring Sensors specially selected for Offshore Users
 - Well-proven design
 - Rugged construction
 - Corrosion free
 - Vibration proof
 - Leading manufacturers
 - Must survive extreme conditions
- Navigational Aids
- Adaptive Inertial Matrix sensor (AIM)
 - Newly developed Motion sensor
 - Multi-sensor approach for more accurate and sophisticated measurements
 - Dynamic Impact Verification
 - New Full-size test frame for real-time Dynamic Impact measurement and verification
- Unique WISE Group – Automasjon & Data Software
 - DADAS System Software Suite
 - Globally recognised
 - A very flexible and user-friendly real-time data acquisition software
 - Data can easily be interchanged with other systems and specific data outputs can be configured for local and remote users
 - Data can be sent to remote users through various data transfer methods, data lines, SMS or email reports
 - Web-version packages
- Customized Displays for Monitoring Systems
 - Custom specified adapted displays on client specifications and local regulations

References – Offshore Wind



Platform/vessel	Customer	Sensors	System
Greater Gabbard OWF	VisSim	5	MET for Wind service platform
Shearingham Shoal OWF	VisSim	5	EMS with Directional Wave radar
Bayard	Fred Olsen	2	VMS
Assister	NOS	1	VMS
Cable Bay	Turbine Transfer	3	VMS
Cemlyn Bay	Turbine Transfer	3	VMS
Cymyran Bay	Turbine Transfer	3	VMS
Dorothea	Scira / Statoil	1	VMS including data analysis
Dulcinea	Scira / Statoil	1	VMS including data analysis
Achiever	NOS	1	VMS
Verification System	Carbon Trust	3	VMS including several measurement projects, development work and data analysis
World Bora	World Marine Offshore	3	VMS
World Passat	World Marine Offshore	3	VMS
Fecamp metmast OWF	EOHF / EDF	150	Metmast instrumentation incl. MetOcean, Structural, Vibration, Nav Aids & Power supplies
Island Innovator	Island Offshore	1	Directional wave radar
Portcat One	Tokyo Kisen / Tepco	3	VMS system + 1 year of performance measurements and data analysis
OOS Wiking OWF	Iberdrola	5	Weather station/HMS
UMOE Rapid	World Marine Offshore	3	VMS
Sea Comfort	TP Offshore	3	VMS
East Anglia 1	Iberdrola	15	Weather station/buoy
Control Room Buoy	Minesto	20	MetOcean system for renewable power plant
SmartHub	Stavanger University	8	Weather station
Elia OWF	Nor Electronics	8	Weather station
Various users	NOFO	2	Doppler Current Log System for dual vessels (transportable) - 30 systems
Various users	NOFO	10	Bridge Information System for various users - 10 systems
Doggerbank A OWF	ABB	10	EMS with Directional Wave radar
Doggerbank B OWF	ABB	10	EMS with Directional Wave radar
Gode Wind 03 OWF	Chantiers De L'Atlantique	10	EMS with Directional Wave radar
Doggerbank C OWF	ABB	10	EMS with Directional Wave radar
Lidar Buoys (12 ea)	EOLOS	1	Wave sensor/AIM

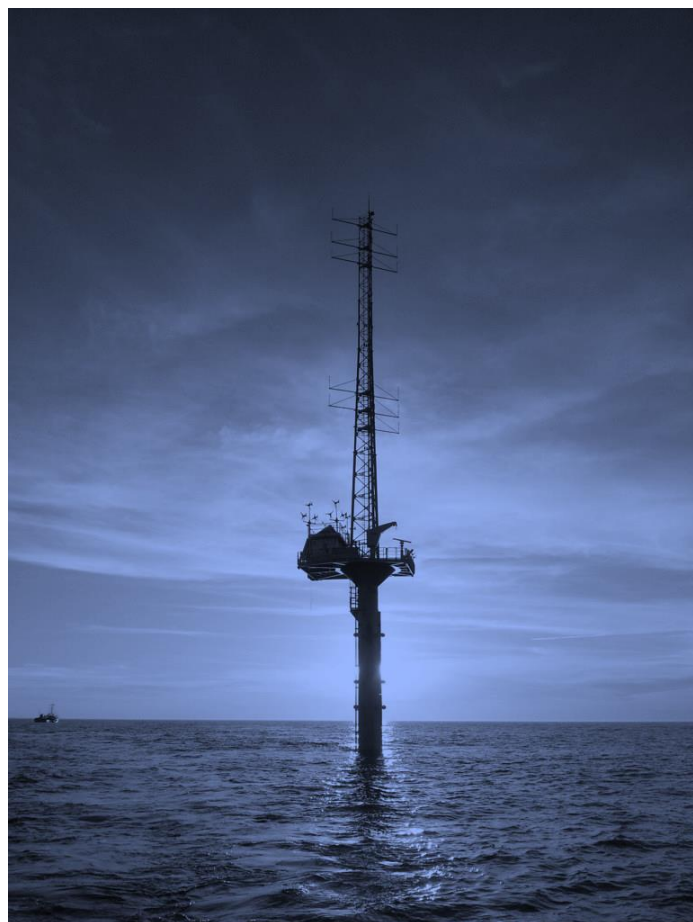
Locations/systems with DADAS software installed (systems delivered from 2008 and later)

Typical users/references:

	Offshore Wind	Offshore Oil & Gas	Marine & Shipping	Space
Environmental Monitoring Systems	X	X	X	X
Helideck Monitoring Systems	X	X	X	
Weather Stations	X	X	X	X
Motion Monitoring Systems	X	X	X	
Current Profiling Systems	X	X	X	
Structural Stress Monitoring Systems	X	X	X	
Wave Monitoring Systems	X	X	X	
Display Systems	(X)	(X)	X	
MetOcean & Structural Instrumentation	X	X	X	
Docking Systems			X	

More than 300 DADAS system installations worldwide

Fécamp Met Mast - France



- Offshore Metmast instrumentation Project
 - Contract awarded March 2014
 - Complete turn-key project
 - Commissioned in March 2015
- Systems and Sensors
 - System Design (Primary/Secondary/Backup)
 - Navigation System, incl. webcam
 - Instrumentation / Meteorological sensors
 - Environmental & Hydrographic sensors
 - Structural Monitoring sensors
- Shelter
 - Data systems installed in the shelter
 - Power Supplies (Solar, Wind, Batteries, and Generators)

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Thanks

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