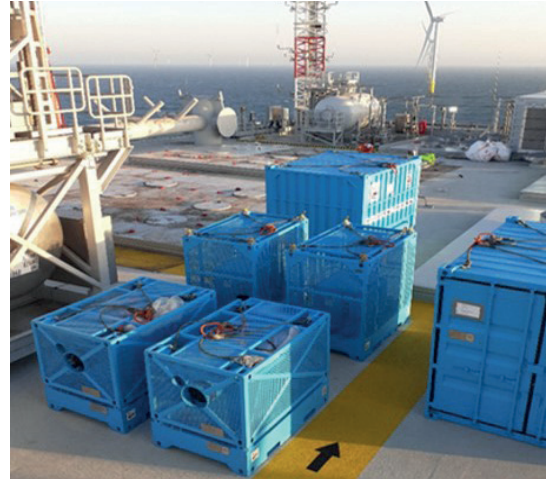


OFFSHORE RESONANT TEST SYSTEM (RTS)

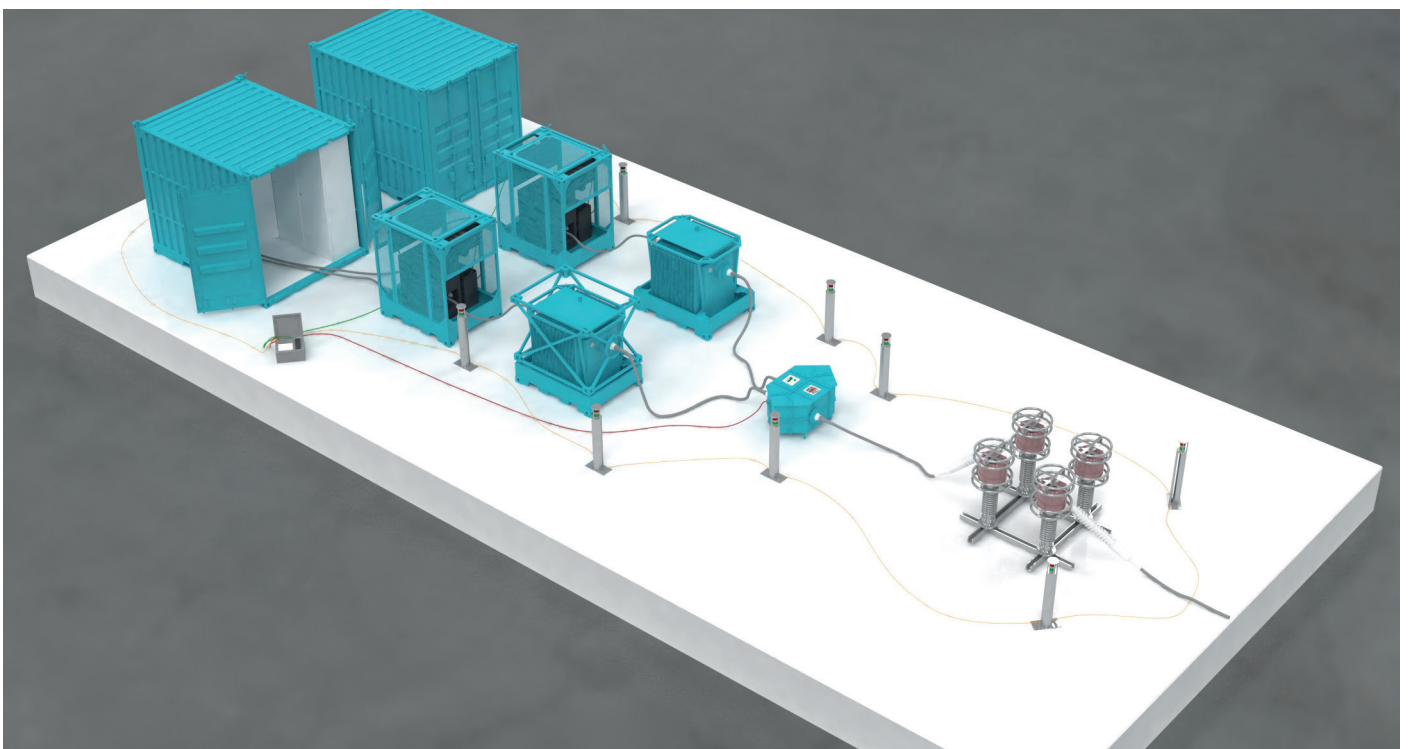


- Delivering 24/7 support our people and equipment available at short notice
- Experienced in house team of technicians and support staff
- Provides confidence in assets integrity & healthcare with full string testing from the offshore substation
- Offers full compliance of AC Withstand test in line with IEC 63026:2019 and CIGRE TB 841
- Modular design allows system to expand as required, system is fully stackable to save deck space
- DNV rated, fully marinised to withstand the harsh offshore environment



Renewables Offshore Services

JDR's is delighted to offer this market leading resonance testing system. Designed completely with the offshore environment in mind. This AC Withstand system fully complies to IEC 63026:2019 and provides confidence to asset owners and insurers in the quality of the installation. The system is modular and allows easy modification to suit the windfarm needs.



Data Sheet

Offshore 80 kV Resonant Test System (RTS)

Systems parameters

Max. output voltage	80 kV (typical test voltage is 72kV)
Power Supply	Stiff grid supply, 3NPE 230/400 + - 10%, 50/60HZ 160 KVA Diesel Generator Supply >= 320 KVA
Rated Current	37.5 A with 1 Reactor-, 75 A with 2 Reactors (may be reduced depending on system configuration)
Operating Frequency range	20 Hz, 30... 300 Hz
Max. Load Capacitance	Typically up to 6.2 uF with 2 reactors at 72kV, higher capacitance may be possible at reduced voltage - exact capability TBC, subject to system analysis on a project basis
Duty Cycle	1 Hour ON, 1 Hour OFF, 6 Cycles per day
DNV Compliance	Approved to DNVGL-ST-E271
Reactors	Hermetically sealed tank design - Oil Filled
Collection Point	x5 Pfisterer Connex (Size 4) Allows connection of upto four reactors to the test object
Cable Details	Test cable 15 m – outdoor termination to Pfisterer Size 4 Connection Point Cable 100 m – to connect between test system and Connection point Reactor Cables 10 m- Connecting reactors to Collection Point
Operating temperature	-10°C ... 30°C non condensing

Feeding Container

Weight	Max. gross weight = 3.7T Max payload = 1.2T
Dimensions (LxWxH)	3m x 2.5m x 2.5m

Resonant Reactor(s)

Weight (Each)	Gross weight = 3.7T
Dimension (LxWxH)	2.1m x 1.4m x 1.6m

Resonant Power Frame(s)

Weight (each)	Gross weight = 2.3T
Dimensions (LxWxH)	2.1m x 1.4m x 2.1m

Connection Point Container

Weight (Each)	Max. gross weight = 3.7T Max payload = 1.2T
Dimensions (LxWxH)	3m x 2.5m x 2.5m

For more information regarding
JDR Services, please email:

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JDR is a leading provider of technology connecting the global energy industry. Our products and services enable vital control and power delivery for offshore oil & gas and renewable energy systems. The world's energy companies depend on high performing control umbilical and/or power cable systems to operate in the world's harshest environments. JDR invests in state of the art manufacturing facilities, technology and people to deliver these world class energy connection/control products and services. We have a proven track record of delivering client expectations and are totally committed to full lifecycle customer services. We achieve this through our specialist engineering teams, experienced project managers, integrated safety systems and global service network which ensures 24/7 aftermarket support.