

OFFSHORE RESONANCE TEST SYSTEM (RTS)

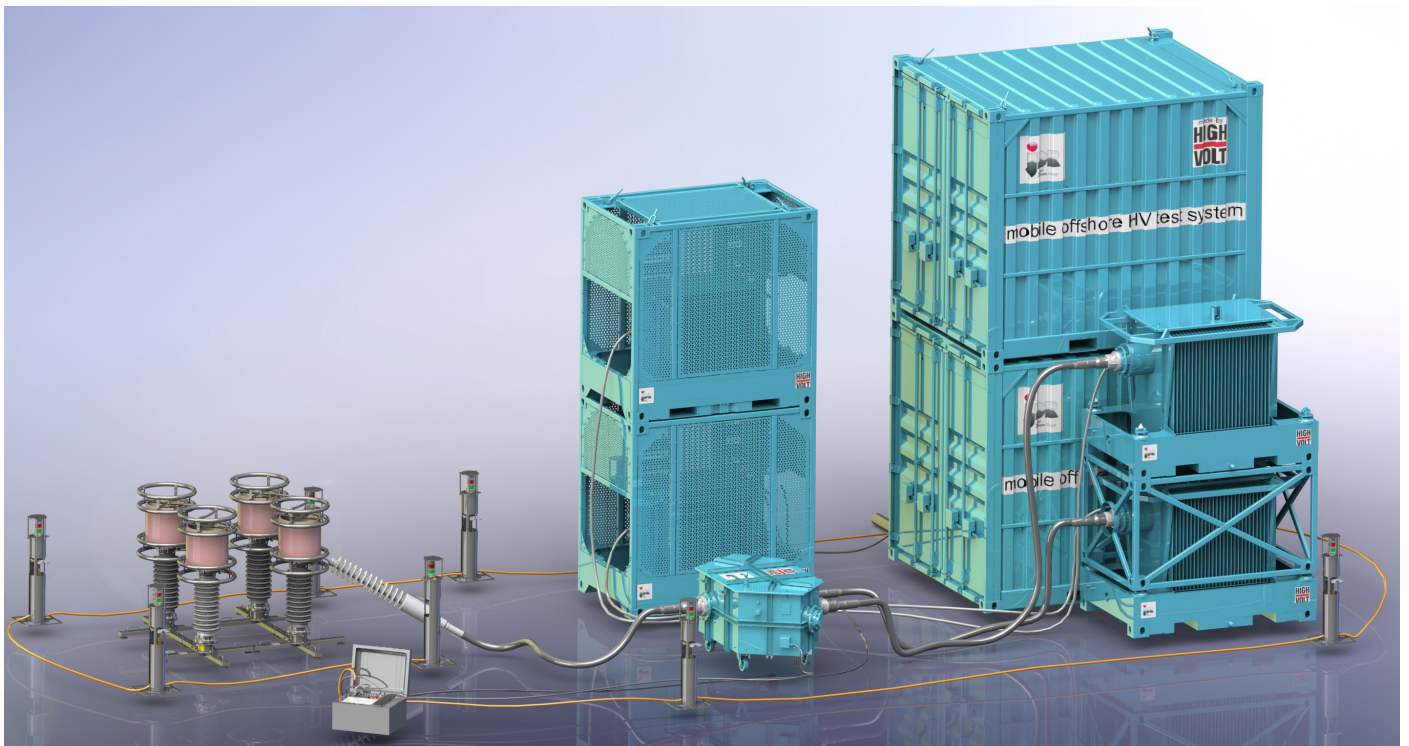


- Delivering 24/7 support our people and equipment available at short notice
- Experienced in house team of technicians and support staff
- Provides confidence in assets integrity & healthcare with full string testing from the offshore substation
- Offers full compliance of AC Withstand test in line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

Systems parameters RTS

Max. out put voltage	80 kV
Power Supply	Mains supply, Voltage 3NPE 230/400 + - 10%, 50/60HZ 160 KVA Diesel Generator Supply >= 640 KVA
Rated Current	37.5 A with 1 Reactor , 75 A with 2 Reactor
Operating Frequency range	20 Hz, 30... 300 Hz in compliance (At reduced voltage, U ≤ 53 kV)
Max. Load Capacitance	Subject to system analysis
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

HV110DS Offshore System

Weight	Max. weight = 3.7Te
Dimensions (LxWxH)	1290 mm x 830 mm x 1770 mm

Resonant Reactor

Weight (Each)	Max. weight = 3.7Te
Dimension (LxWxH)	1130 mm x 730 mm x 50 mm

Resonant Power Frame

DS110 Offshore System

Weight (each)	Max. weight = 3.7Te
Dimensions (LxWxH)	685 mm x 630 mm x 1150 mm

Connection Point

Weight (Each)	Max. weight = 3.7Te
Dimensions (LxWxH)	1130 mm x 730mm x 550 mm

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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.