

10 YEARS

Engineering Excellence



Past, Present and Future



Where does the time go?

It was ten years ago that we founded Red Marine, a company which has subsequently developed and matured into the award winning RED Engineering. Starting the business had its challenges and over the years we have had different internal and external pressures to deal with. However, we have remained agile and confident to try new things - where things have not worked out as hoped or we have made mistakes, we have learnt.

A significant anniversary is an opportunity to reflect and what sticks in my mind over the life of the company is the diversity of the engineering challenges we have successfully taken on and the people we have worked with.

Looking to the future, we intend to create many more memories by forging successful long-term relationships with new clients, engineers and suppliers. We will continue to support our existing customers in the Offshore sectors and I'm genuinely excited by our recent developments in the Nuclear Decommissioning sector. Breaking into a completely new market has demonstrated that our brand of engineering excellence is a transferable skill and we look forward to further broadening our horizons in the future.

Thank you for your support to date and we look forward to working with you over the next 10 years.

JOE ORRELL
Managing Director



A DECADE OF
HELPING OUR
CLIENTS SAVE
MONEY, SHORTEN
SCHEDULES AND
WORK SAFELY.

A Trusted Engineering Partner

WE DELIVER ENGINEERING SOLUTIONS VIA THREE INTEGRATED OR SEPARATED SERVICES



WE HAVE THREE CORE MARKETS



WE ARE EXPERTS IN



The Past – some landmarks and memories

2008



Company formed, moved into Queens Hall and first consultancy projects delivered

2010



Solutions for offshore power cable installation and delivery of 800t SWL lifting equipment

2012



Improving efficiency of offshore operations with TAPB and DTS

Tensioner pad testing and delivery of first equipment



2009

Delivery of subsea tooling for remote intervention and second load test system



2011

Move to Tynedale House and further growth of team



2013

2014



First Latitude Award for engineering excellence presented

New test facility and delivery of umbilical tether clamps for deepest subsea production facility



2015

2016



Development of test rigs and product qualification testing

Rebranded to Red Engineering to reflect a more diverse customer base



2017

2018



First contract to deliver equipment for nuclear decommissioning

Won Queens Award for Innovation



The Present – recent projects

Over the past twelve months, RED has successfully delivered over 50 diverse projects for clients across a range of industries. Common themes include a complex technical challenge, a safety critical working environment, significant schedule and budget constraints and a requirement for a solution that is key to the successful execution of a much larger project. Here are just a small selection of our recent projects to give an insight into RED’s capabilities – with world class engineers, proven processes, trusted supply chain partners and an in-house Test Facility, we can rapidly deliver what you need without compromise to safety or quality.

**INTELLIGENT
ENGINEERING
SOLUTIONS
HAVE ENABLED
SUCCESSFUL
PROJECT
EXECUTION.**

“Particularly impressed with the technical competence of all who I have dealt with at RED. Understood the work-scope from the start. The level of technical detail discussed during review meeting was highly impressive”

KERR WATSON, TECHNIPFMC

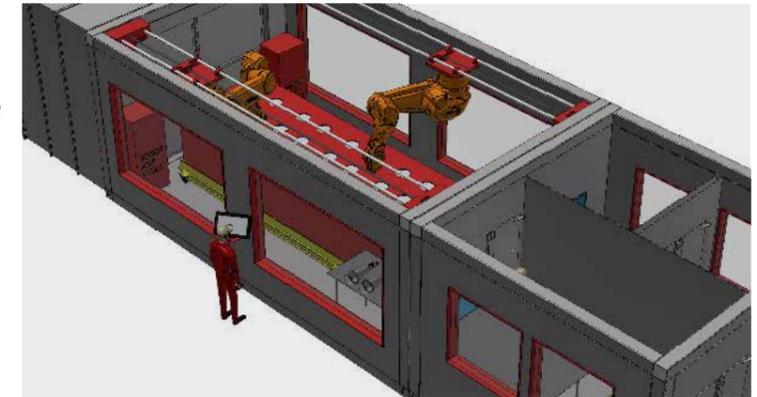


Consultancy

Key to the success of our consultancy projects is the ability to quickly understand the true nature of an engineering challenge, to quickly identify a number of potential solutions and to work closely with a client to assess and agree the best way forward.

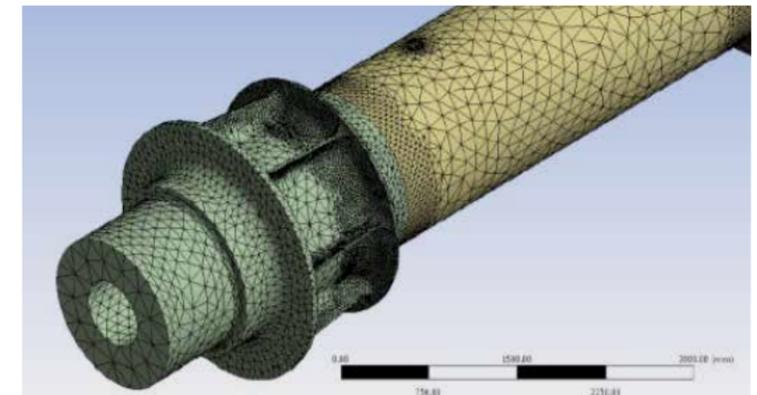
NUCLEAR DECOMMISSIONING

Developing solutions for a range of Nuclear Decommissioning challenges – using our experience of remote intervention to increase the efficiency of operations and remove personnel from hazardous environments.



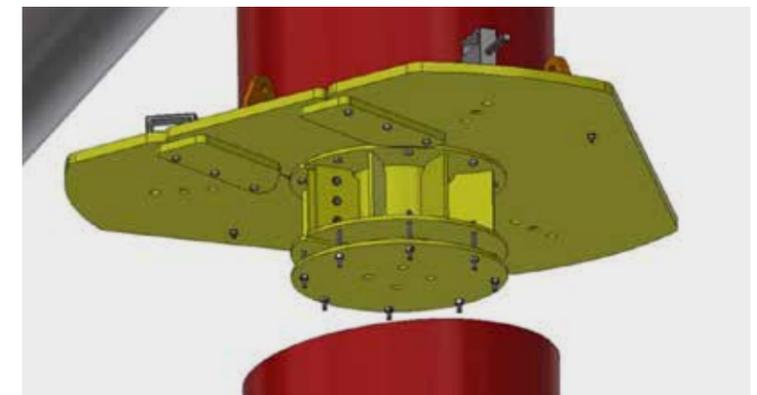
EQUIPMENT UPGRADES

With a focus on doing more with less in the offshore Oil & Gas sector, we have completed a number of projects to assess the full capabilities of existing offshore equipment and / or to repurpose it for project specific applications.



SUBSEA TOOLING

Working closely with an offshore contractor to develop procedures and equipment to allow successful completion of a complex offshore decommissioning task.



Equipment Supply

Drawing on practical first-hand experience, we are adept at turning concepts into reliable equipment that can be safely operated in the most harsh and safety critical environments. Given time and budget constraints, RED engineers are skilled at adapting existing technology for new applications.

SIDEWINDER CABLE PROTECTION SYSTEM

Development and delivery of an innovative power cable installation tool to transform the efficiency of beach landing operations during the construction of offshore wind farms.



PIGGYBACK ROLLER BOX

Fast track supply of a project specific roller box assembly to allow successful piggybacking operations from a pipelay vessel for a project off the coast of Libya.



SUBSEA UMBILICAL CLAMPS

Design, build and qualification testing of two high integrity modular subsea clamps to support both shallow and deep-water well intervention operations.



Testing Services

With its in-house Test Facility, RED continues to work closely with its clients to accelerate the development of third party equipment. What sets RED apart from other test houses is the on-site engineering capability to develop bespoke test programmes, rapidly design and build first of kind test equipment and work with clients to fully understand and extract maximum value from data gathered – ‘Testing with Intelligence’.

HIGH PRESSURE TESTING

RED has recently supported the qualification of a subsea connector by developing and testing a small volume pressure vessel rated to 50,000 PSI.



CYCLIC COMPRESSION TESTING

With its recently upgraded control system, RED's TR-630 rig has been used to complete the automated cyclic compression testing of tensioner pads to gain a better understanding of their through life performance.



“Very happy with the testing completed by RED Engineering for this project. RED proved to be a valuable technical resource as the project progressed – they took the initiative to modify the original test setup to improve data collection when preliminary testing demonstrated an issue”

Matrix Composites & Engineering

The Future

The future is hard to predict, but by maintaining and developing strategic partnerships with key clients we will continue the organic growth of RED. To support this growth, our investment plans include:

PEOPLE



It's all about the people – we will continue to both invest in our existing team and add creative, passionate and dedicated people who can flourish in the RED environment. From day one we have focussed on our people, our culture and our community as we believe this has been, and will be, key to our success.

TECHNOLOGY



Our long term technical strategy is to continue to develop our expertise in remote technologies and specifically robotics. Already well proven in the aerospace and automotive industries, our recent work in the Nuclear Decommissioning sector has convinced us that robots have the potential to make a wide range of operations safer, faster and cheaper.

FACILITIES



Over the course of the past ten years we have expanded our test facility on three occasions. We are now planning our fourth upgrade to allow for further expansion of activities in the Nuclear Decommissioning sector.

Our People, Vision, Mission and Culture



Our Vision: A leading provider of consultancy and test services combined with the capability to deliver innovative equipment across broad market sectors.

Our Mission: We help our clients to reduce risk, save money, shorten schedules and work safely.

Our Culture: We encourage a positive company culture in order to maintain a vibrant and happy workplace. We believe that by caring for and supporting each other in all that we do, we will continue to deliver engineering excellence and achieve our full potential.



- Our Values:**
- SAFETY**
Underpinning all aspects of our business.
 - PROFESSIONALISM**
A professional, honest and common sense approach to our dealings with customers, suppliers and personnel.
 - INNOVATION**
Creative engineering with quality at its core.
 - RESPONSIVENESS**
Proactive in supporting our customers and committed to meeting our obligations in terms of schedule, specification and budget.
 - INDEPENDENCE**
Privately owned company, free to deliver the most appropriate solution.
 - TRUST**
A focus on developing long term, successful relationships, built on mutual trust and respect.

Key facts

TEAM OF

 **24**

NO. OF COUNTRIES WORKED IN

 **15**

TYPICAL TURNOVER

£3.5m

YEARS OF ENGINEERING EXPERIENCE

 **300+**

SIZE OF TEST FACILITY

550m²

NO. OF PROJECTS DELIVERED

300+

TOTAL NO. OF HOURS WORK

375,000

NO. OF LOST TIME INJURIES

 **0**

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**HOW CAN
WE HELP?**

