

Circular Economy for Subsea Products and Services

Introduction to Refurbishment, Recycle, Reuse & Reduce
August 2022



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What is a Circular Economy?

Definition from the Ellen MacArthur Foundation;
“A circular economy is based on the principles of designing out waste and pollution, keeping products and materials in use, and regenerating natural systems”

<https://www.ellenmacarthurfoundation.org/explore>

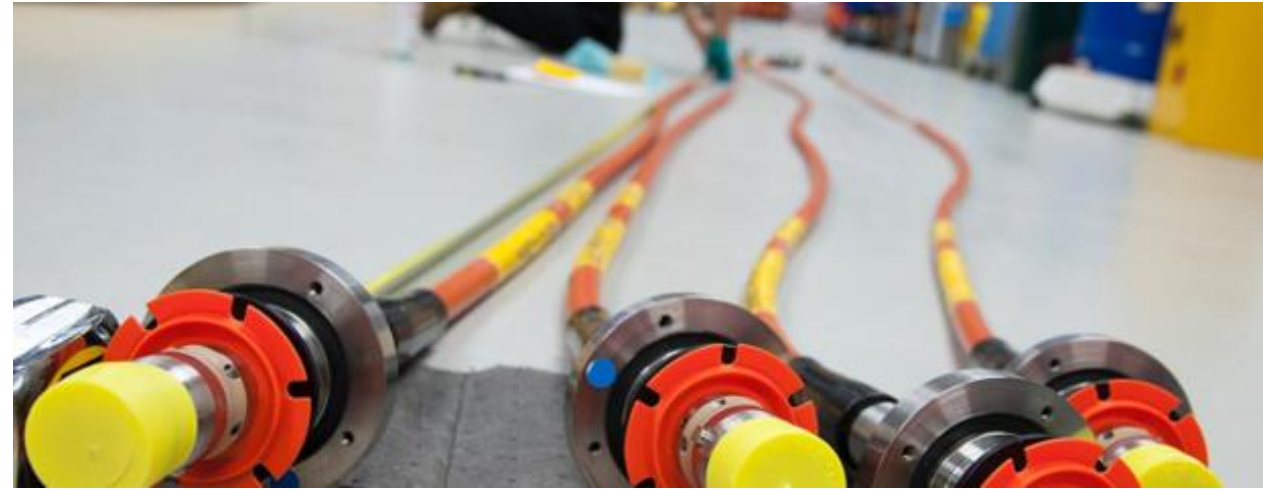
At Siemens Energy, we are embracing a dual Circular Economy approach; helping our customers extend the life of current products through our Global Service centers and through our Next Gen Connector and Subsea Product design at our Subsea Excellence Centre in Ulverston, UK.



How can SE help today?

Siemens Energy are also working with customers to advise on recycling options as we play our part in the responsible and ethical disposal of connectors and equipment at end of life.

Siemens Energy are also working with our customers to extend the working life and preserve the warranty of our brownfield products through certified refurbishment and reuse.



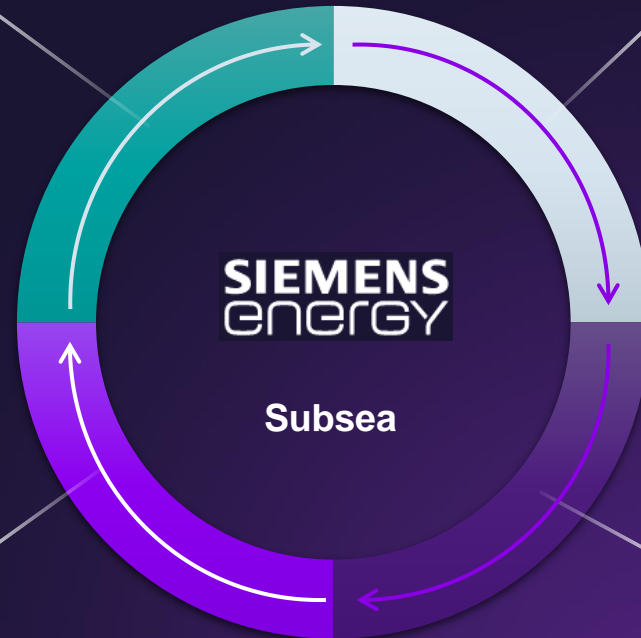
Circular Economy Services at SE Subsea

Refurbishment

- Siemens Energy are uniquely positioned to offer certified and approved refurbishment to manufacturers specification which comes with an OEM Warranty.
- Approved OEM Spare and replacement parts. Immediate access to thousands of brand new OEM parts. No 3rd party replacement parts.
- Compliant with API 17F
- Tested to Original Factory Acceptance Test criteria.

Reuse

- Linked closely to Recycle, we are now seeing customer enquiries for Reuse of spare items.
- Our global sites can assist storage and stock management of customers spare stock, to ensure they are in a ready or refurb condition, to be utilised by Customers when required.
- Customer stock storage at Siemens Energy is in line with our IOM and ensured preservation of manufacturer warranty.
- This can free up space at customer storage sites and create a central list of items for sharing within the customer organisation



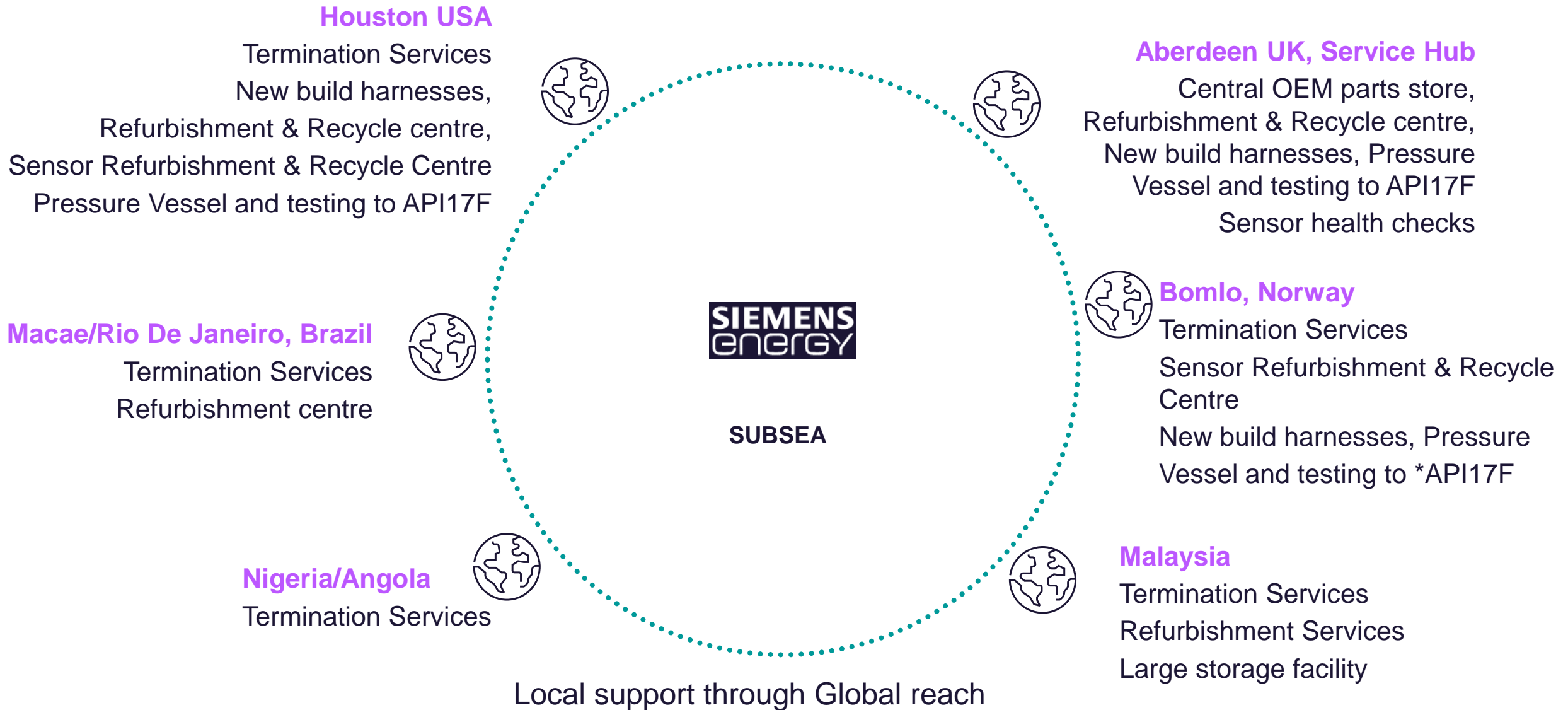
Service

- Siemens Energy understand the impact of down time in the Live Fields and the importance of quick resolutions for our customers.
- Siemens Energy Subsea Service Centres provide global support to our customers.
- Our Service Hub in Aberdeen, UK, is integrated with our Subsea Excellence Centre in Ulverston, enabling rapid access to a comprehensive source of OEM spare parts, meaning a timely response to our customer.
- Our internal Rapid Support Process ensures parts can be 'en route' to our Global service centre network in a matter of days.

Recycle

- Having the highest quality Subsea Connectors and Systems in the industry means there are very few 'end of life' Siemens parts.
- Our Service Hub in Aberdeen are happy to support customers in an advisory capacity regarding Recycling and help customers towards Zero landfill.
- Collaborating with one of our customers on recycling Transportation caps and creating a new process through the Aberdeen Service Hub.
- Facilitate Circular Economy by linking Customers and requirements, to recycle surplus stock

Connected Global Support



*excludes optional HVAC & PD testing

Sensor Testing & Refurbishment

Our Manufacturing site in Bomlo, Norway provides primary support for Full sensor refurbishment, including recalibration, painting, pressure testing and FAT to manufacturer specification.

At our secondary support site in Houston, USA, Siemens Energy have made significant investment to support our customers' Sensor refurbishment needs in the Americas. This includes field testing, recalibration and global scale testing.

Finally, our Service Hub in Aberdeen can run a "health check" on the sensor, which is sufficient in certain customer requirements. If further sensor work is required, typically the sensor harness will be sent to our manufacturing site at Bomlo, Norway for full Sensor refurbishment.



Benefits of SE Product Warranty

By choosing Siemens Energy, the OEM, for refurbishing and service you will benefit from;

- 40 years of Subsea excellence
- Robust Business processes
- Up to date Documentation and procedures
- Product Safety controls
- World leading Quality standards
- Unrivalled Product and technical know how
- Unparalleled Safety record
- Protected from IP risks

Relax in the certainty and reassurance that your product and service is being dealt with by the best in class.

Our highly experience site and factory Technicians are recertified annually, giving peace of mind with SE supplied, refurbished and installed OEM products



Contact page



Published by
Siemens Energy Global GmbH & Co. KG

Tam Ferry

Senior Project Manager
GP | Reg UK | Lifecycle Services

Abbotswell Road
Aberdeen AB12 3AD
Scotland, UK

Phone: +44 1224 417707

Mobile: +44 07808014689

thomas.ferry@siemens-energy.com

[siemens-energy.com](https://www.siemens-energy.com)

[Siemens Energy - Subsea Webpage](#)

Circulareconomy.subsea@siemens-energy.com
for all service, refurbishment and recycle enquiries

Installation.subsea@siemens-energy.com
for all site and termination enquiries