

End of Life Service

Qualified return process, professional reconditioning, equipment disposal

An End of Life strategy is equally part of the life cycle of our products like support for our customers during the commissioning and operating phase of your equipment and systems.

As a sustainable manufacturer, we see it as our duty to provide for our supplied products also smart solutions at the end of life and thus closing the life cycle of our products.

SGL Carbon's End of Life (EoL) service offers our customers individual and customized solution. It is based on our many years of experience as a manufacturer of equipment and systems with our detailed material knowledge.



↑ Dismounting of a shell and tube heat exchanger

Benefits

- **Continuity**

SGL Carbon is your partner cooperating with you for the entire product life cycle [commissioning until end of life].

- **Flexibility**

On-site or in our manufacturing your equipment needs can be defined and adapted jointly to suit your goals.

- **Efficiency**

Benefit from us as a partner having decades of experience on your equipment, systems and applied knowledge of special materials.

- **Sustainability**

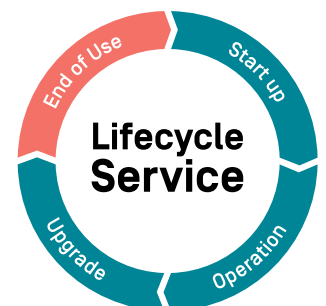
All components of our equipment and systems are evaluated for possible reuse. Components that are failed or out of spec can be coordinated for disposal by us.

- **Safety**

Our employees are trained to deal with your decontaminated equipment. Compliance with applicable safety regulations and local site disposal requirements are followed.

- **Cost reduction**

The consistent use of our manufacturer know-how and synergy reduces your End of Life costs. The possible reuse of components and assemblies reduce cost and improve your spare part strategy¹.



Overview of our offer

- Return of equipment, components and assemblies produced by SGL Carbon, product group Process Technology
- Range of services freely decided by the customer
- Evaluation of individual components and assemblies for integrity
- Offers that allow transparency of costs
- Repair and re-conditioning of components and assemblies that can possibly be used as high-quality spare parts
- Disposal possible of components and assemblies no longer usable
- Optionally, offers may also be available for similar products that are not manufactured by SGL Carbon

End of Life Service

Service offer	Detailed scope
Alignment of service scope ^{2 3}	<ul style="list-style-type: none">• On-site pre-inspection or scope definition based on customer data• Creation of a fixed price offer (after initial evaluation), or a budget offer (if based on customer data)
Preparation ³	<ul style="list-style-type: none">• Extraction advice from existing the plant installation• Partial disassembly possibilities for transportation purposes• Packaging and loading, advice and guidelines• Assistance with shipment details
Disassembly and assessment ^{2 3}	<ul style="list-style-type: none">• Complete disassembly can become component level• Assessment and categorization per the parts list• An offer based on repair/reconditioning of reusable components
Re-usable components ²	<ul style="list-style-type: none">• Repaired components to high-quality spare parts¹• The benefit of spare parts assigned to your equipment• Labeling and packing of spare parts
Non re-usable components ²	<ul style="list-style-type: none">• Separation materials (steel from graphite)• Sampling of material for integrity analysis if required• Analysis to classify samples to categories if required• Disposal of the material using SGL Carbon channels
Billing	<ul style="list-style-type: none">• According to the fixed price offer at the SGL Carbon plant• Against actual service rates and expenses when advisory service is allowed on-site

^{1|} Please note that some pressure codes and regulations like ASME pressure vessel rules may restrict in some cases reuse of old pressure vessels parts on new equipment

^{2|} at the SGL Carbon plant

^{3|} on-site, the execution is carried out by specialized fitters of SGL Carbon or by our certified service partners

