




We create **waste-led solutions** for nuclear decommissioning, waste management and materials recycling.

Cyclife is committed to providing waste-led solutions to meet the challenges of the nuclear industry, and to support its customers' growing requirements to manage waste and recycle materials wherever possible.

Cyclife's mission:

	<p>Develop innovative and cost-effective solutions</p>		<p>Optimise waste volumes, recycle materials and save disposal capacity</p>		<p>Offer an efficient service by leveraging the skills and assets of the EDF Group</p>
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Decommissioning

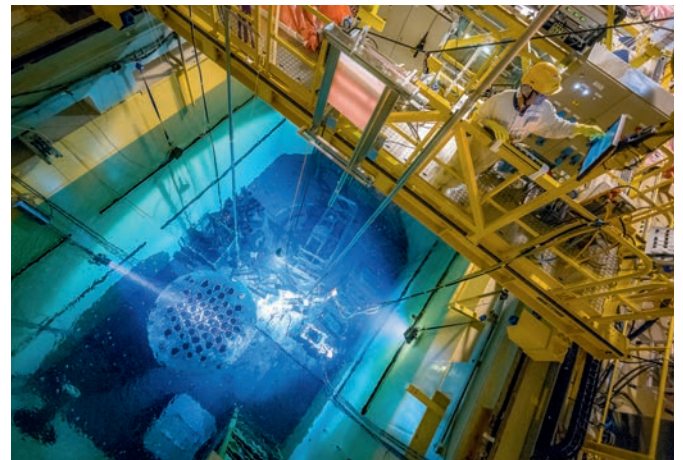
*Integrated strategic support for nuclear projects
From the definition to the execution*

Physical and radiological inventory of the plant

A turn-key solution for the physical and radiological inventory of the entire nuclear power plant: from initial calculations to final characterisation through sampling plan definition and operation.

Preliminary studies and decommissioning strategy

Scenario for decommissioning and waste management projects and environmental impact assessments for both existing and new installations.



Optimisation with digital

Based on real-time 3D technologies, BIM and digital twins, Cyclife's proprietary software -DEMplus® for nuclear, MySurvey® and ViSu®- optimises risk, dosimetry and cost during maintenance, operation, construction and decommissioning projects.

Costing

Benefit from international best practice and local benchmarking to assess and mitigate risks, contingencies and costs.

Dismantling

Full dismantling services, including cold and hot segmentation of primary and secondary circuits.

Technical support

On-site decommissioning projects using technical expertise in the decontamination of systems, structures and sites (soil and groundwater).

Programme and project management

Technical and engineering expertise to provide solutions for the management of decommissioning projects and the planning of the transition period, thanks to the presence of specialists throughout the duration of the project.

Professional training

Cyclife's experts provide bespoke training for all decommissioning personnel, from the site operator through the programme manager.



Waste Management



*One-stop innovative nuclear solutions
From concept to final delivery*

Characterisation

Accurate physical and radiological waste inventory to optimise the management of waste and to select the best route for each waste.

Routing

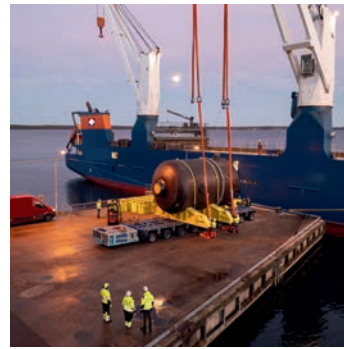
Cyclife operates three European Nuclear Licensed facilities, all with unique waste treatment capabilities and available secondary waste routes. Ensuring that waste is sent to the facility that offers the best technical, economic and regulatory solution for the customer.

Consultancy

Early engagement with customers to add value through the implementation of waste-led decommissioning approaches that provide engineering solutions for waste diversion, including free release where possible, for waste treatment and the design of innovative processes and waste treatment facilities.

Storage and disposal developments

Design temporary waste storage facilities and studies with local radioactive waste management agencies.



Waste Treatment



On-site services

Direct waste treatment at the customer's site, thanks to mobile processing and conditioning units, and trained personnel to work on site.

Sorting, segregating, packaging and transport

Assist customers in managing (sorting, segregating and packaging) waste from their nuclear site.

Contaminated metal treatment, melting and recycling

Process contaminated metal, carry out blasting, volume reduction, and melting to free-release metal where possible.

Large components

Cyclife has unique capabilities and expertise in managing redundant large components, integrating chemical and abrasive decontamination and saving customers end-of-life costs.

Incineration and pyrolysis

Incineration of combustible, solid and liquid waste with low-level radioactivity generated by nuclear facilities, hospitals and laboratories. Pyrolysis is the treatment of radioactive waste by dry distillation without oxygen, suitable for uranium contaminated waste for reuse.

Cyclife, a wholly-owned subsidiary of the EDF Group, was established in July 2016. Cyclife provides innovative, proven and integrated nuclear decommissioning, waste management, and recycling services to its customers.

An *experienced multicultural* group



Cyclife UK

Workington Facility and Newcastle-upon-Tyne

Treatment of metals for decontamination by cutting and/or shot-blasting, for release and recycling. Support in optimising waste management and carrying out deconstruction and dismantling projects.

Shot-blasting: 3 000 t/year



Twyford

Engineering solutions in the specialist areas of glovebox technology, shielded facilities, remote handling systems and transport, and packaging.



Cyclife (headquarters)

Paris La Défense

Management of the Cyclife Group, cross-functional roles and business development.



Waste2Glass

Limay

Pilot unit for the GeoMelt® vitrification process for the treatment of certain specific radioactive waste.



Graphitech

Lyon and Beaumont-en-Véron

Innovative development of technologies and remotely-operated tooling for complex reactor dismantling.



Cyclife France

Centraco Facility in Codolet and mobile units for onsite services

Treatment of solid and liquid incinerable waste, metals to be decontaminated, including large components. Production of concrete containers for the transport of nuclear waste, production and operation of mobile units.

Melting: 3,500 t/year

Incineration: 6,000 t/year

Large component cutting workshop

Decontamination/segmentation: up to 200 t



Cyclife Sweden

Nyköping Facility

Treatment of organic waste by incineration or pyrolysis, metals to be decontaminated, including very large components, for release and recycling.

Melting: 5,000 t/year

Incineration: 500 t/year - Pyrolysis: 50 t/year

Large component cutting workshop: 2,000 t/year

Decontamination/segmentation: up to 400t

Clearance: 2.500 t/year



Cyclife Germany

Hanover, Karlsruhe and Dresden

Commercial office dedicated to German, Swiss and Eastern European customers and partners, offering the full range of Cyclife Group products and services.

Onsite dismantling work and radiation protection.



Cyclife Technocentre

Fessenheim

Responsible for the design, construction and operation of the Technocentre facility



Cyclife Engineering & DNUC Decommissioning

Lyon and Bagnols-sur-Cèze

Dismantling and decommissioning engineering. Study and design of nuclear waste storage, management and treatment facilities. Onsite dismantling work and radiation protection



Cyclife Digital Solutions

Bagnols-sur-Cèze, Lyon and Croissy-Beaubourg

Digital tools designed for the nuclear industry, based on 3D technologies and Building Information Modelling (BIM) to simulate and optimise scenarios and standalone industrial digital twins.



www.cyclife-edf.com

Contact us at info-cyclife@cyclife.com

Cyclife's facilities are Nuclear Licensed to provide Best Available Techniques (BAT) for volume reduction/stabilisation.

