Engineering

# Late Life + Decommissioning

## Extend, Repurpose + Transition.





## Applications

- Life extension
- Reactivation
- Repurposing
- Offshore rigs
- FPSOs
- Land rigs
- Facilities + plants
- Wells + Drilling Infra-structure

## Helping customers make confident decisions about what comes next. Extending, repurposing or safely transitioning assets towards decommissioning.

We combine engineering, operational and project delivery expertise to help customers understand their options, maximize remaining asset value and develop a clear, practical path forward.

From late-life assessments and modification engineering through isolation, P&A, equipment removal and decommissioning, we support customers through the decisions and engineering required for the next phase of their asset.

## The right next step isn't always the obvious one

As assets enter later life, the right path isn't always straightforward. Operators are facing increasingly complex decisions around continued operation, investment, repurposing and retirement. Technical condition must be balanced against economics, regulatory requirements, operational priorities and future opportunities.

Extending operations can require targeted engineering, equipment replacement and modification, while repurposing existing infrastructure can introduce entirely new technical and integration challenges. Where decommissioning is the right path, careful planning is essential to manage risk, cost, interfaces and operational complexity.

Making these decisions early, with the right engineering insight, helps operators maximize value, avoid unnecessary investment and transition assets safely and efficiently into their next phase.

## Late-life outcomes that matter

- ✓ **Confident late-life investment decisions**
- ✓ **Maximized remaining asset value**
- ✓ **Safe and viable life extension**
- ✓ **Repurposing opportunities identified**
- ✓ **Reduced decommissioning risk and complexity**
- ✓ **Clear, executable transition plans**
- ✓ **Efficient P&A and removal planning**

# Late Life Strategy

## Making informed decisions about what comes next.

Before committing further capital or progressing towards decommissioning, operators need a clear understanding of asset condition, remaining requirements, technical feasibility and available options. We provide the engineering insight needed to assess pathways for continued operation, life extension, repurposing or decommissioning, helping make informed decisions and establish a practical route forward.

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| **Late-Life Assessments** | We assess asset condition, requirements and constraints to support informed decisions around continued operation and future investment. |
| **Life Extension Studies** | We evaluate the engineering requirements needed to support safe, reliable operation beyond current asset plans. |
| **Options + Feasibility Studies** | We compare technical options and engineering requirements to identify viable pathways for an asset's next phase. |
| **Decommissioning Studies** | We assess decommissioning requirements, constraints and execution options to establish a robust basis for planning. |
| **Repurposing Studies** | We evaluate the potential to adapt existing infrastructure for new operational requirements or alternative energy applications. |

# Extend, Repurpose or Reactivate

## Unlocking the next phase of infrastructure value.

Where continued operation or reuse is viable, we develop the engineering solutions required to safely extend, adapt or repurpose existing infrastructure. Drawing on our brownfield, multidisciplinary and equipment expertise, we help customers address integrity, obsolescence, modification and integration requirements to prepare assets for their next phase of operation.

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| **Life Extension Engineering** | We engineer the modifications and interventions required to support safe, reliable continued operation. |
| **Asset Repurposing** | We develop engineering solutions to adapt existing infrastructure for new operating requirements and applications. |
| **Asset Reactivation** | We engineer the safe return of idle, inactive or stacked assets to operation, addressing integrity, compliance, obsolescence and modification requirements. |
| **Brownfield Modifications** | We modify existing infrastructure to support changing requirements and future asset use. |
| **Equipment Replacement + Upgrades** | We address equipment condition and obsolescence where investment is required to enable continued or future operation. |
| **Technology + Equipment Integration** | We integrate new equipment, power systems and technologies required to adapt assets for their next application. |



# Decommissioning, P&A + Removal

## Planning for a safe, responsible and controlled end of life.

Where decommissioning is the right path, early engineering and careful planning are critical to reducing uncertainty, managing interfaces and executing work safely and efficiently. We support customers from initial decommissioning studies and engineering through isolation, make-safe, P&A, equipment removal and disposal planning, providing coordinated engineering support throughout execution.

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| **Decommissioning Engineering** | We develop the engineering scope, methodologies and plans required to support safe and efficient decommissioning. |
| **Isolation + Make-safe** | We engineer isolation and make-safe activities to prepare equipment and infrastructure for decommissioning and removal. |
| **Plug + Abandonment Support** | We provide engineering and project support for well P&A activities and associated infrastructure requirements. |
| **Equipment Removal** | We engineer and plan the safe disconnection, handling and removal of equipment and systems. |
| **Removal Planning** | We develop practical removal strategies that consider access, lifting, sequencing, interfaces and execution requirements. |
| **Disposal + Waste Planning** | We support planning for the appropriate handling, disposal and management of removed equipment and materials. |



# Why BENTEC?

### We understand the whole asset
Experience across engineering, equipment, operations and brownfield modifications gives us the context to make better-informed late-life decisions.

### More than one path forward
We help customers consider continued operation, extension, repurposing and decommissioning. Not simply engineer towards a predetermined outcome.

### Engineering grounded in execution
Our engineering and project delivery experience means late-life strategies are developed with constructibility, access, sequencing and execution in mind.

### Drilling + P&A understanding
Our drilling heritage brings specialist knowledge of drilling systems, well-related infrastructure and the operational realities surrounding P&A.

### OEM knowledge at end of life
Our understanding of equipment design, manufacture and integration provides practical insight when assessing disconnection, replacement, reuse and removal.

### From strategy to execution
We can support customers from early studies and option selection through detailed engineering, project management and decommissioning execution support.



BENTEC
Bold Engineering+Technology

**Speak to a BENTEC expert**

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