Delivering value throughout the late life and decommissioning journey
connected excellence in all we do
Many of our oil and gas assets may be old, but that doesn’t mean we have to stick to the same old mind set.

We believe in developing a much stronger link between late life asset management & decommissioning. This means earlier planning to facilitate strong contract management that extracts value. It means a proactive approach that protects the value of your asset, and assures the asset effective transfers from production to decommissioning mode.

**Deconstruction NOT reverse engineering**

Our approach is about developing an optimum solution that stays the course. A solution that requires a different mind-set and a unique set of skills.
“Through deploying fully integrated world class services, technology and expertise across well delivery, integrity, production enhancement and activity execution we will unlock the potential to reduce costs by 30 to 60%.”

“We listened to our customers... and the key is simplicity, focus & assured delivery”

Delivering value:

We deliver value through multi-skilled personnel, enabling us to reduce interfaces and transaction time, leading to effective, risk-based decision making. We introduce technology and value adding processes, always seeking to continuously improve. We call that ‘More 4 Less’.
Minimising cost, maximising value on our journey

LITE House Mode - how we strategically support the approach to manning and the asset - all options are explored to reveal opportunities to lower cost and deliver business objectives, without compromising HSSE or asset integrity.

Well P&A Excellence – Working in tandem with a global well company, we can reduce project management interfaces, improve efficiency and maximise commercial models whilst assuring best in class P&A experience.

CARE Programme - We have the proven ability to develop realistic and pragmatic approaches within the difficult setting of Late Life Operations. Our CARE programme is a robust framework that works in a collaborative risk environment with the clear aim of enhancing client cash flow, through Cutting spend, Assuring activity delivery, Reducing unrequired resources and Enhancing operational delivery.

Innovation – We strive to introduce and develop leading edge innovations that improve and reduce costs in the late life decommission arena. This includes introducing proven innovations from other sectors such as nuclear decommissioning.

Decom Cost Model – We have developed and proven a unique cost modelling tool that gives customers “line of sight” of decommissioning costs, against any decommissioning execution strategy. The tool enables customers to optimise their organisation and contract strategy via de-complexing and connecting the multitude of variables against industry benchmarked data.

Environmental Studies – We are one of the biggest environmental consultant groups globally. This ability and reach offers the capability to develop, control and deliver regulatory compliant solutions and programmes in all oil and gas regions.

Compliant Disposal – Using innovations such as Track & Trace we have the proven ability to ensure all aspects of the removed structures are disposed in line with legislation.
Late life and decommissioning needs a collaborative approach. For us this means early engagement with the supply chain, helping to tackle the issues together, rather than responding to the problems alone. We believe this approach delivers value in a sustainable manner.

Due to the immaturity of the market, innovation and technology will play a key role in both enhancing late life value and reducing the costs associated with decommissioning. We believe the supply chain could help drive this innovation and as such we have been engaging with both ‘incubator’ organisations, academia, SMEs, and directly with a number of global companies.

Within the UK we are working as a technology incubator, to develop a suite of Decom+ tools that deliver decommissioning smartly without compromising safety. Many of our component parts are already proven and in use. For example, the use of RFID technology, in the form of ‘Track & Trace’. Amec Foster Wheeler has a proven track record for innovation and we are developing ideas and concepts that support late life and decommission aspirations.

We also take best practice from other projects and industries. We work across a number of industry sectors, including nuclear where we have many years of decommissioning experience. We employ around 3,500 environmental specialists, many with specialist decommissioning knowledge and experience.

Working together across the supply chain
An innovative and integrated approach.

No one wants to think about decommissioning. But if you see the journey through late life as an opportunity to add value together, we can lower your operating costs and improve your cash-flow throughout the late life and decommissioning stage of your asset’s life cycle.
Through our internal expertise, strategic partnerships, and solid relationships that we have with the supply chain, we provide innovative solutions across late life and decommissioning, using our multi-skilled and competent workforce. We have an extensive environmental capability with cross industry experience, in particular over 15 years of nuclear decommissioning experience from which we have taken lessons learnt and reinforced positive processes for deployment in the oil & gas arena.
Amec Foster Wheeler is committed to delivering a sustainable world class performance.

We are committed to the value of ‘Doing the right thing - we put safety first’ by maintaining a strong and sustainable HSSE culture across all our operations.

We accomplish this through the protection and support of our employees and anyone working with us or affected by our activities, and our commitment to continuous improvement.

A strong HSSE culture is key to our delivery model and our Beyond Zero programme is integral to that culture. Beyond Zero contains tools, techniques and standards that help us drive a refreshed HSSE agenda, one that will stand the test of time and deliver world class protection from harm; for our people, our assets, our environment and our customers.
Fit for purpose organisation

Cost savings can be achieved through a number of areas, including creating a fit for purpose organisation that utilises and captures asset knowledge while avoiding any duplication or non-value adding process. We apply a fit for purpose operational approach that maintains focus on business priorities, enables efficient execution in line with expectations, and we never compromise on safety and integrity.

Innovative commercial models

Taking learnings from our experience in other industry sectors Amec Foster Wheeler has developed innovative commercial models that apply across the whole life cycle of a hydrocarbon asset, in particular late life through to asset disposal. The principle behind the various models is to create greater alignment between you, our customer, and the return we receive for our services. Services and returns that are focussed on delivering ‘value’ safely:

► Driven by aligned KPIs that are focused on key criteria such as costs, safety, environment and reputation not volume.
► Clear milestones driven by appropriate incentivisation.
► All parties driven by united goals that encourage the use of technology.
► Allows for flexibility to adapt to the market conditions.
► Are transparent.
► Innovation not man-hours driven!
You might be surprised how much late life/decommissioning experience we have. This is a taste:

**Shell Northern North Sea – Brent Field**
Brent refurbishment project - engineering and supervision for the removal and installation of replacement modules.

**Fairfield Energy**
Engineering support. Operations and Maintenance support.

**Shell Brent Decommissioning**
Various lift and removal studies including heavy lift, single lift and reverse floatover options. Structural condition assessments and materials inventory.

**ExxonMobil Canada East, Sable Island**
Environmental and Regulatory Support Consulting- 5 year consultancy framework.

Environmental Impact Assessments (off-shore and on-shore); regulatory permits, approvals and compliance; Environmental Management Plans; field sampling, marine growth comparative assessment studies, waste management strategy, marine dispersion modelling studies.

**BP Miller**
(Topsides, Jacket Derogation, Pipelines, Disposal)

**Hamilton Brothers Esmond/Forbes/Gordon**
Management, supervision and tradesmen to implement platform removal.

**Fairfield Dunlin, Materials Inventory**
Materials Inventory to support the Decommissioning Programme and Waste Management Strategy.

**Zero Waste Scotland**
Circular Economy Evidence Building Programme Energy Sectors in Scotland study.

**Shell Leman BK**
Operations and Maintenance support. Decommission FEED support. Supervision and engineering support of the platform removal workscope.

**Mobil Camelot CB**
Cost and technical feasibility studies.

**PTTEP Thailand**
3rd Party Cost Estimation for Decommissioning Plan.

**Client Confidential, UKCS Decommissioning Market Assessment**
Market assessment focussing on waste management activities in the UKCS oil and gas decommissioning sector.
**Shell Inde Decommissioning**
Operations and Maintenance support.
Design of lifting aids for topsides and jackets.

**Amoco / Phillips / BG Versatruss**
Heavy lifting feasibility study.

**Amoco North West Hutton Decommissioning Study.**

**Shell Brent, Materials Inventory**
Materials Inventory to support waste management activities.

**Nuclear Decommissioning Authority (NDA), In-situ Remediation of Structures Study**
Study assessed the potential to undertake in-situ remediation of structures and other facilities on nuclear licensed sites in the UK. The study described the regulatory processes governing decommissioning of offshore oil and gas assets with detailed case studies.

**Shell Brent BCD Module Removal**
15000t Module removal (Engineering).

**Britannia Operators Limited Decommissioning of the BLP, Britannia Platform and Subsea Infrastructure**
Study to determine costs for the decommissioning of the BLP, Britannia Platform and all subsea infrastructure.

**ExxonMobil Sable Island (Nova Scotia)**
Pre-FEED activities associated with decommissioning of the Sable assets in the North Atlantic comprising 2 onshore facilities, 7 offshore platforms and their interconnected pipelines.

**Magnox, Winfrith Offshore Pipeline Decommissioning**
 Provision of marine regulatory advice to support the decommissioning of the (radioactively contaminated) Winfrith Sea Pipeline.
Amec Foster Wheeler (www.amecfw.com) designs, delivers and maintains strategic and complex assets for its customers across the global energy and related sectors.

With pro-forma 2014 scope revenues of £5.5bn and over 40,000 people in more than 55 countries, the company operates across the whole of the oil and gas industry - from production through to refining, processing and distribution of derivative products - and in the mining, clean energy, power generation, pharma, environment and infrastructure markets.

Amec Foster Wheeler shares are publicly traded on the London Stock Exchange and its American Depositary Shares are traded on the New York Stock Exchange. Both trade under the ticker AMFW.