The ABB smart production efficiency programme aims to help oil & gas operators in the UK Continental Shelf (UKCS). The programme is designed to help restore the sector’s production efficiency to 80% by 2016.

What are the issues?
Understanding all of the issues affecting your production output and business is crucial to the success of any partnership and we realise no one has a more detailed knowledge of your assets and operations than you.

That, combined with our knowledge and experience, ensures the partnership delivers effective solutions to improve the performance of your business. Our experience has been gained through working on production output improvement programmes with many UKCS operators and businesses.

Whether you have issues with production output, downtime, reliability, availability, flexibility, operations and maintenance optimisation or you need assistance with your medium to long term strategy we will partner with you using our experience and expertise to find the best way forward.

What we offer
ABB have extensive experience in operational and production efficiency improvement methodologies, we are ideally placed to support production and output improvement programmes.

Having worked with numerous businesses to improve production outputs and efficiencies our comprehensive approach using proven improvement methodologies will ensure consistent and cost effective solutions are delivered for you.

Our programme of improvement follows 3 phases:

- **Assessment**
  Understanding the opportunity to improve. Assessing the things that impact operational reliability, the condition / health of existing equipment, operating and maintenance procedures.

- **Realisation**
  Developing the options available for production efficiency improvement including everything from the existing applications and people competency through to installed products & systems and life cycle services.

- **Implementation**
  Implementing the improvement projects identified in the realisation phase.
Our expertise in production output efficiency services include:

- Criticality and vulnerability assessments
- TAR optimisation and TAROT (Turnaround On Time)
- Production efficiency and output improvement programmes
- Operations and maintenance (wrench time) improvements
- Production loss analysis
- Management of ageing assets and asset life extension
- Risk Based Inspections (RBI)
- Asset decommissioning, mothballing and preservation
- Process safety improvement programmes
- Environmental management assessments
- Route cause analysis
- Training and development programmes for both operations and engineering groups
- Technical Due Diligence (TDD)

Benefits
- Develop a proactive approach to managing availability and production
- Support operators in delivering a 25% improvement in production efficiency by 2016
- Reduced plant trips and vulnerability on ageing assets

Why ABB?
- ABB understand that in order to achieve flexible and reliable assets the business needs flexible people and flexible plant whilst maintaining safe processes and systems. We are able to support you in a number of ways ensuring that operators and maintenance personnel are suitably trained and have required procedures in place. We are able to review the design of equipment and systems to ensure assets can operate across a range of parameters, including assessments to improve and enhance start-up and shutdowns so that they are performed effectively and efficiently
- Our comprehensive range of UKCS sector engineering, operational output improvement programmes and technical services, experienced staff and a dedicated organisation can be brought together to support your business needs through our wide range of service agreements
- Significant improvement in business, culture and asset performance can be achieved through efficiency improvement. The ABB production efficiency approach detailed above is developed based on our experience and is grounded in practical application across many oil and gas organisations

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