GMC’s Intelligently Connected Pipe (ICP™) is constructed from pin and box mechanically connected pipe joints; providing a more robust pipeline, whilst simplifying and reducing the cost of installation.

The GMC Mechanical Connector is the core technology behind ICP™.

Twelve meter pipe lengths are friction joined to make triples, quads, or greater, with an integral connector element at either end.

The mechanical connection is an ISO:21329:2004 qualified pin and box connector, which can be made up in under a minute using a hydraulic tool.

Each tubular segment is fitted with a Radio-Frequency Identification (RFID) data tag to allow through-life tracking, from manufacturing to installation, decommissioning, and re-use.

ICP™ technology allows:
• the use of high strength, light weight, seamless steel pipe grades in riser and flowline construction
• a significant increase in fatigue life
• significant reduction of the duration, risk, and cost of offshore operations, whilst increasing the completed proportion of the construction process onshore
• tubulars to be manufactured at a range of global locations to support regional project requirements
• Rapid installation using cost effective vessels
• Rapid decommissioning and re-use of the pipeline systems
GMC’s ICP™ solution enables operators to produce Pre-Salt petroleum resources in a faster and more cost effective manner than current flexible or welded Steel Catenary Riser (SCR) technologies offer.

ICP™ is able to deliver the following benefits to the market:

- Lower procurement cost for connected steel pipelines compared to flexible lines
- Significantly improved delivery times compared to flexible lines
- Highly customised installation methodology using available marine assets combined with modular handling equipment to maximise efficiency and lower day rate expenses
- Provides “Life of Field” pipeline solution in Pre-Salt developments
- Faster times to first production for reserves
- Risers are recoverable and re-usable

Since ICP™ is a connected pipe solution, it does not require offshore welding. ICP™ can be installed via DP-2, Multi-Purpose Vessels (MPV) equipped with modular ICP™ handling equipment.

In effect, this eliminates the need for highly specialised installation vessels, as well as, opening this market to more readily available and cost effective vessels and contractors.

Contact Us Today!
Let GMC Be Your Connected Solution!

For more information, visit www.gmcdeepwater.com, or contact info@gmcdeepwater.com