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**Ecostruxure CICC©**

**The Constructability Approach**
- A lifecycle digital twin technology that transition through FEED, detailed engineering, construction, commissioning and operation cycles.
- Technology & footprint optimization through integrated power and process management systems.
- Innovative engineering, fabrication and construction methods to house the systems and deliver at the lowest installed cost.

**Ecostruxure Objectives**
To provide optimized MAC & MEC solutions that are easy to construct, install, connect, commission and startup . . . providing the lowest total-install-cost

**Ecostruxure Results**
- Reduce Power & Process CapEx by 20%
  - power system optimization + common digital design tools + system integration
  - Improve time to completion by 50% & reduce project risk
  - single supplier + common modeling & simulation + digital engineering tools and methodology
  - Reduce downtime by 15%
  - Integrated asset management + common modeling and simulation + system integration
  - Improve profitability by 3%
  - process energy optimization, integrated asset management, system integration

**The Ecostruxure Project Benefits**
- Delivering
  - Cost reductions
  - Schedule Flexibility
  - Project Predictability
  - Design to Construction Efficiency

**Ecostruxure Reference Architectures**
- PLUG – Power and Automation Optimization
- Small Scale LNG – Standardization of reference design for receiving terminals, Tanks Farms
- LNG Liquafaction – Integrated Power & Process systems

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**Ecostruxure Technology running LNG Sites worldwide**

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