Intelligent Projects™ Execution
Reduce costs, shorten schedules and lower risks

The Intelligent Projects framework and execution model combines local project management and lead engineering with centralized and standardized project execution by the OGC Intelligent Projects Center.

Overview of framework
Traditional project execution follows a linear, dependency-driven, assembly line approach, with hardware design and software configuration reliant upon one another. When elements are developed sequentially, delays may be created and costs can increase. No testing can be conducted prior to commissioning and late modifications or additions create costly change orders.

Traditional approach: dependency driven

Modern approach: technology enables decoupled, parallel tasks

The Intelligent Projects framework applies a modern approach to project execution, decoupling project tasks, removing interdependencies and enabling tasks to be performed in parallel. This allows testing to be performed on each modular component so that a comprehensive, high-quality, fully functional solution arrives ready to be commissioned. This approach increases efficiencies, accelerates schedules and reduces costs.

Potential savings
Time = $$$
Intelligent Projects framework
Our Intelligent Projects approach utilizes four pillars to accelerate project schedules and reduce costs:

- **Cloud Engineering** – enables split delivery of hardware and software, so hardware can be sent to the site while software is being configured (Virtualization + Emulation + Simulation)
- **Digital Marshalling** – uses soft marshalling and flexible I/O to decouple hardware and software
- **Standardization** – simplifies design and reduces the need for extensive factory acceptance tests (FAT) by using pre-tested solutions; enables on-site integration, decreases deployment time, reduces costs and minimizes risk
- **Automated Data Management** – eliminates costly manual steps and reduces human error, while providing cross-functional and cross-geographical integration

Execution through OGC Intelligent Projects Center
The OGC Intelligent Projects Center is a centralized, global point of design and execution that brings together experts and information to ensure the most effective project bidding and execution, deployed consistently across all geographies. It is fully integrated with local project management and lead engineering sitting close to the customer to ensure a seamless and successful delivery of projects.

Value of centralized project execution:
- Uses a standardized execution model
- Deploys tested, proven solutions based on 50+ years of experience
- Applies standardized engineering and project management tools with a high degree of automation
- Assembles global experience and expertise in a central location in collaboration with local experts around the world

Local customer engagement:
- Provides local services during early design
- Delivers project management and lead engineering services during project execution, installation and commissioning
- Provides reliable service, modification and long-term support

Benefits
Intelligent Projects bring together advanced technology and a fully integrated approach that provides the right balance between centralization and local engagement, resulting in faster delivery, smaller footprint, reduced capex and lower change order cost.

- **25% quicker schedule completion**
- **60% space savings**
- **20% to 30% reduction in capex**
- **50% reduction in change orders**

*Using Select I/O*