



## FACTS AT A GLANCE

**Company:** CTCI Corporation

**Website:** [www.ctci.com.tw](http://www.ctci.com.tw)

**Description:** CTCI, founded in 1979 with its headquarters in Taipei, is the largest EPC firm in Taiwan. Through years of hands-on experience and outstanding services, as well as underpinned by its preeminent work force, stable financial status, and sound managerial systems, CTCI has earned international prestige and goodwill. The company has a strong global presence with employees stationed in more than 40 affiliates worldwide. In 2012, the paid-in capital of CTCI reached NT\$7.3 billion, jumping greatly from the original NT\$100 million registered in 1979.

**Employees:** 7,000

**Industry:** Process

**Country:** Taiwan

## PRODUCTS USED

- SmartPlant® Foundation

## KEY BENEFITS

- Increased transparency of project information for enhanced collaboration and improved operational efficiency
- Improved quality and accuracy of engineering information
- Effective change management and optimized business processes to meet project schedules

## CTCI ESTABLISHES INTEGRATED DOCUMENT MANAGEMENT SYSTEM WITH SMARTPLANT® FOUNDATION

**Intergraph®'s industry-leading information management solution enhances sharing of engineering information across the project life cycle**

### IDENTIFYING GOALS

CTCI Corporation (CTCI) is the largest engineering, procurement, and construction (EPC) company in Taiwan, and was ranked No.1 in the engineering and construction contractor category by CommonWealth magazine in 2012. Its service portfolio includes engineering design, procurement, fabrication, construction, supervision, project management, and testing and commissioning. CTCI is a leading EPC contractor and has collaborated with several internationally well-known companies in various projects within Taiwan and around the world.

To remain at the forefront of a volatile and ever-changing industry, CTCI decided that it needed to establish a more sophisticated information management system to enhance information sharing across the entire project life cycle.

### OVERCOMING CHALLENGES

- Establish a sophisticated information management system to support integrated engineering and improve project collaboration
- Improve quality and accuracy of engineering data

### REALIZING RESULTS

After a comprehensive evaluation, CTCI determined that Intergraph® SmartPlant® Foundation would be the best fit for its requirements. With SmartPlant Foundation, the Taiwanese EPC could ensure that its engineers could get secure access to accurate, high-quality engineering information when they needed it. CTCI is then able to manage its engineering projects more effectively and eliminate any potential project delays due to inefficient information sharing.

SmartPlant Foundation is the leading, standards-based capital Project Life-cycle Management (cPLM) solution for the process, power, and marine industries. It has been selected as the information management and integration system of choice by over 500 owner operators and EPCs worldwide, including CTCI. SmartPlant Foundation has the broadest solution footprint in the industry with capabilities that span the entire project life cycle, ranging from simple document management to configuration management in highly regulated industries. Its forte is the ability to

manage massively interrelated, interdependent, and rapidly evolving data that is the backbone of SmartPlant Enterprise, Intergraph's multi-discipline integrated engineering suite.

CTCI implemented SmartPlant Foundation as its core information management platform for its projects, providing a single point of access to critical engineering data. SmartPlant Foundation features a user-friendly interface and CTCI's engineers are able to find the data or documents they require quickly and easily. This improves work efficiency as the engineers are able to deliver work on time, benefiting the overall project schedule.

Using SmartPlant Foundation, CTCI was able to establish project workflows and streamline business processes, delivering accurate, high-quality engineering information. SmartPlant Foundation also supports version control for effective change management, ensuring that CTCI's engineers always have access to the latest, most up-to-date information, which reduces costs and errors from using inaccurate data.

To further enhance information sharing, CTCI set up a customized project sidebar within SmartPlant Foundation to facilitate communication between project members across all disciplines. This has increased transparency of relevant project information, which has significantly improved operational efficiency as project information is readily accessible to all engineers and key stakeholders.

## MOVING FORWARD

CTCI has implemented SmartPlant Foundation for several real-world projects, including the CPC Dalin refinery project in Taiwan, an amines plant project in Saudi Arabia, the SATORP Jubail Export Refinery Project that is also in Saudi Arabia, and many others. CTCI intends to continue using SmartPlant Foundation as its information management system of choice. The EPC firm will continuously enhance the system to support sustainable project operations and increase its global competitiveness.



## ABOUT INTERGRAPH

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph's industry-specific software to organize vast amounts of data to make processes and infrastructure better, safer, and smarter. The company's software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction, operation, and data management of plants, ships, and

offshore facilities. Intergraph SG&I provides geospatially powered solutions, including ERDAS technologies, to the public safety and security, defense and intelligence, government, transportation, photogrammetry, and utilities and communications industries. Intergraph Government Solutions (IGS) is a wholly owned subsidiary of Intergraph Corporation for the SG&I U.S. federal business.

Intergraph is part of Hexagon (Nordic exchange: HEXA B; [www.hexagon.com](http://www.hexagon.com)), a leading global provider of design, measurement, and visualization technologies that enable customers to design, measure, and position objects, and process and present data.

For more information, visit [www.intergraph.com](http://www.intergraph.com).

