



Asset Information Management



Mission Critical

24/7 Uptime

Maintain License to Operate

Ensure Asset Performance

Regulatory Compliance

Control Change Management

Technical Asset Information includes process and instrumentation diagrams, specification sheets, standard operating procedures, calculation sheets, and other asset related documentation that contributes to the operating result.



Ever increasing pressure on operating results emerging from globalization, costly resources, tighter regulations and changing demographics force companies to continuously innovate and achieve excellence in all lifecycle phases of mission critical, revenue generating assets. For day to day operations, technical asset information is crucial to sustain or even improve profit levels for industries where 24/7 uptime, production efficiency and safety precautions are mandatory.

Over the last decade, companies have implemented asset management solutions to get a grip on the routine maintenance of production assets. However, asset management cannot reach its full potential without the proper management of asset related technical documentation. This technical asset information is of critical importance to resume production as quickly as possible in case of unplanned process downtime.

Discover InnoCielo Meridian Enterprise from BlueCielo. The InnoCielo Meridian Enterprise business application suite for Asset Information Management optimizes the business processes related to the creation, collaboration and distribution of technical asset information. This will help to increase plant safety, economic efficiency and compliance to tighter regulations.

BlueCielo Solutions for Petrochemical

Huntsman
Rozenburg - Netherlands



Huntsman is a global manufacturer and marketer of commodity and differentiated chemicals. Its operating companies manufacture basic products for a variety of global industries including chemicals, plastics and automotive. Huntsman today has revenues of \$11.5 billion, 11,300 employees and 62 operations in 22 countries. The company implemented InnoCielo Meridian Enterprise to gain control of infrastructure documents and process-related information. The software has increased efficiency of Huntsman's maintenance staff between 4% and 8%, ranging from a 2-3% increase for an operator to a 10-15% increase for a maintenance engineer, due to the immediate availability of all documents. Other ongoing benefits that InnoCielo Meridian Enterprise achieves include the reduction of headcount among their archive staff, the total elimination of paper archive space, the reduction of engineering contractor costs and a significant cut in printing costs.

BlueCielo Solutions for Utilities

Grand Coulee Dam
Washington - United States



The Bureau of Reclamation is the largest wholesale water supplier and the second largest producer of hydro-electric power in the United States. The Grand Coulee Dam in Washington is one of the Bureau's largest infrastructure projects. To keep this enormous amount of concrete, powerlines, hydro systems, pumps and circuit breakers in top shape, the dam's engineering and maintenance groups are in charge of conducting continuous maintenance on the dam and its related power infrastructure. More than 300 people from different disciplines are involved, including engineering, maintenance and administration. The engineering department at the Grand Coulee Dam has successfully implemented InnoCielo Meridian Enterprise to keep more than 200,000 drawings that outline the dam under tight control.

Industries Served



Utilities



Oil & Gas



Petrochemical



Food & Drugs



Government



Transportation



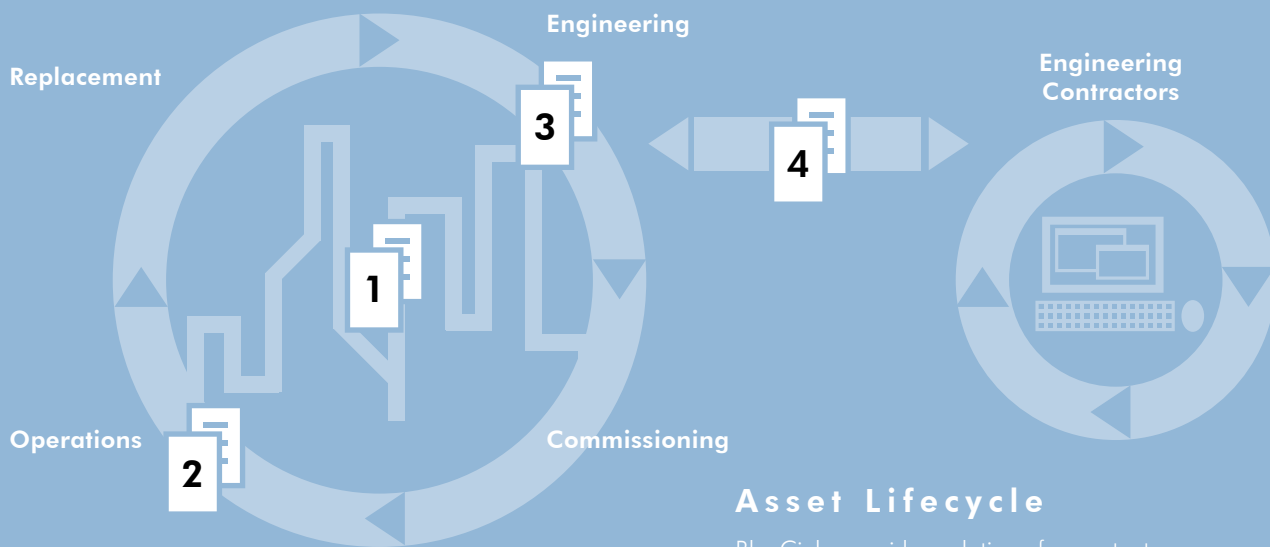
Process Manufacturing

BlueCielo Solutions for Process Manufacturing

UPM
Helsinki - Finland



With EUR 10 billion in revenue and 33,400 employees, UPM is one of the world's leading forest products companies. The company's businesses focus on magazine papers, newsprint, fine and specialty papers, converting materials and wood products. The company has production in 15 countries and an extensive sales network comprising over 170 sales and distribution companies. It is of vital importance that the company delivers products on time and at the lowest price possible to meet the needs of their customers in the printing industry. UPM implemented InnoCielo Meridian Enterprise to create flexible workflows across the enterprise that enables faster communication with fewer mistakes. BlueCielo's content management has helped the company to reduce time spent on saving real-time documents and has eliminated the availability of erroneous information.



Asset Lifecycle

BlueCielo provides solutions for content management challenges in four different phases of the asset lifecycle.

Challenges & Solutions

Plant owners in a variety of industries are faced with a number of challenges that affect the uninterrupted operation of their plant, and as a result directly impact the company's overall profitability. BlueCielo's Asset Information Management solutions focus on four critical objectives within the asset lifecycle:

1

Achieve and maintain compliance with legal and safety regulations (ISO, OSHA, FDA, CE marking, Sarbanes-Oxley, etc) by maintaining complete and accurate technical documentation for all relevant assets.

2

Avoid unplanned production stops or resume production as quickly as possible with immediate availability of complete and up-to-date technical asset information.

3

Multiple projects for plant optimization need to be managed simultaneously, while day to day maintenance must rely on as-built information.

4

Highly skilled engineering work is often outsourced. As a result, data is exchanged frequently among contractors and plant personnel. This leaves room for error and out-of-date record keeping. On the other hand at the end of a project the as-built technical asset information must be immediately available without a time-consuming handover.

BlueCielo Asset Information Management Solutions

InnoCielo Meridian Enterprise for Asset Information Management is a proven engineering content management solution that supports the creation, exchange and distribution of technical asset information in all phases of the asset information lifecycle. Advantages include:

Linking of technical documentation to all relevant assets to create an asset-centric engineering content management environment, which conveniently provides immediate access to documentation when searching by objects, like functional location or tag number.

BlueCielo's solutions provide seamless support for popular maintenance management systems (including Maximo, SAP PM and Datastream) to automate the integration between assets, plant operations and the required technical documentation.

InnoCielo Meridian Enterprise for Asset Information Management offers powerful support for engineering professionals and their creation of technical documentation. The software's robust feature set addresses the need to securely manage the as-built environment while flawlessly handling multiple engineering projects.

Collaboration with external (plant engineering) contractors is an important consideration for plant owners who look for ways to manage operations at a lower cost. InnoCielo Meridian Enterprise features extensive tools for data exchange to facilitate the successful handover of projects. This guarantees immediate availability of up-to-date as-built technical asset information.

Benefits

InnoCielo Meridian Enterprise for Asset Information Management enhances, automates and streamlines asset operations throughout their lifecycle to ensure performance of mission-critical assets and to avoid costly disruptions of their operations. Keeping control of documentation is crucial in all phases of the asset lifecycle.

- ▲ Increased production output by reduction of process downtime
- ▲ Better compliance with quality, environmental and legal regulations
- ▲ Better controls (processes, content as well as data handover) for the as-built process
- ▲ Increased product quality and reduced delivery time
- ▲ Reduced equipment failure and number of accidents
- ▲ Improved Management of Change process
- ▲ Continuous improvement of as-built data
- ▲ Seamless handover
- ▲ Reduced costs of production, maintenance and engineering
- ▲ Shorter unplanned process downtime and stop preparation



Akzo Nobel Intervet - the Netherlands
 Biwater - United Kingdom
 Bureau of Reclamation - USA
 Commerzbank - Germany
 Deutsche Messe - Germany
 Du Pont - USA
 DynCorp - USA
 ENECO Energie - the Netherlands
 Essent - the Netherlands
 Grand Coulee Dam - USA
 Hewlett Packard - USA
 Huntsman - the Netherlands
 Jet Propulsion Laboratory - USA
 KPN Mobile - the Netherlands
 Landeszentralbank Nordrhein-Westfalen - Germany
 New York Power Authority - USA
 Pharmacia - Italy
 Reliant Energy - USA
 Seattle City Light - USA
 SFAB Sweden - Sweden
 Sund & Baelt - Denmark

Availability & Consulting Services

InnoCielo Meridian Enterprise for Asset Information Management is available worldwide. To learn more about InnoCielo Meridian Enterprise and our expert-powered, industry-specific Business Applications and Consulting Services, please contact BlueCielo at info@bluecieloecm.com or visit our website at www.bluecieloecm.com

You can also contact us by phone at (800) 323-2926 (Americas) or +31 (0)70 413 3700 (Europe, Asia-Pacific).

BlueCielo ECM Solutions provides Engineering Content Management and Application Integration solutions for owner/operators in multiple vertical industries including energy, oil & gas, petrochemical, government, pharmaceutical, and discrete and process manufacturing. BlueCielo has more than two decades of industry experience with over 275,000 users in 50+ countries worldwide. The company has offices in the USA, UK, Russia, Germany and the Netherlands, together with an extensive global network of established partners. BlueCielo ensures a high level of service and support on a truly worldwide scale for its leading software solutions, InnoCielo Meridian Enterprise, InnoCielo ImandrA for IBM FileNet P8 and InnoCielo TeamWork.



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Taking EDM to the Enterprise