

SIMINE^{CIS} CC is the integrated automation and management solution for plants in the mining industry. Whether you are seeking a complete solution that delivers everything from the field level to the higher-level instrumentation and control, or just a stand-alone solution based on SIMATIC[®]-PLC, we have exactly what you need. SIMINE^{CIS} CC combines components from the SIMATIC family into a solution tailored to meet the needs of the mining industry. And thanks to consistent end-to-end interfaces, you can easily implement expansions and modernizations, even in heterogeneous environments.

The challenge

Transparency is crucial for optimizing processes in the widely distributed plants of the mining industry. Materials and resources must be controlled to ensure there are no bottlenecks, disturbances or delays at any point in the process that could lead to unproductive time.

That means you need to be able to reliably track the production process and the operating resources used, with this tracking directly linked to controls for the entire process.

The data generated in and necessary for the process must be routed to a central "control point," and must be error-free and available to all parties involved in the process. This is the only way to further streamline processes and take advantage of potential synergies, whether in plant operation or in maintenance and repair.

Our solution

SIMINE^{CIS} CC, our end-to-end automation solution for excavation, transport, processing and distribution of the mined raw material is based on a single, consistent platform and offers a comprehensive concept for automation, communication and data management within the entire process chain. The plant equipment and control room are a unified system, based on consistent integration of the automation components and communication processes.



Good reasons for SIMINE^{CIS} CC:

- Integration of all systems and data enables optimum tracking of the production process
- Simple and flexible control of the production process through ergonomic, process-oriented operation and monitoring
- Central recording and management of operating data means that the data is consistent at all times
- Central maintenance and repair lowers maintenance costs
- Quick overview and ability to respond quickly via powerful networks

SIMINE^{CIS} CC

Automation and management of mining processes –
interface-optimized and secure

Mining Technologies

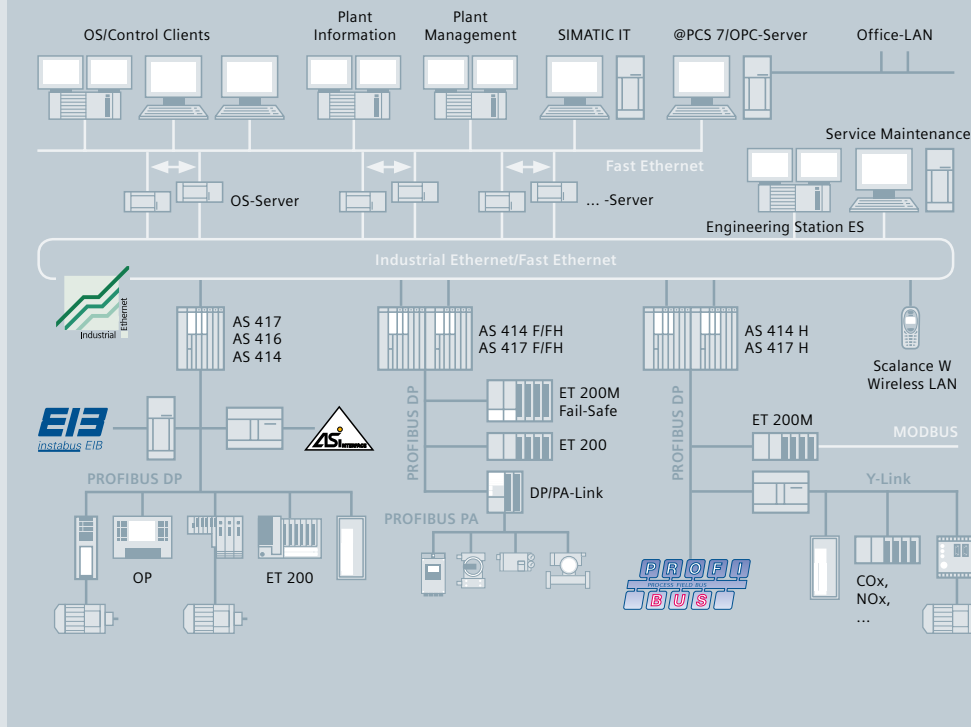
SIEMENS

Modular or integrated, depending on the application

Our SIMINE^{CIS} CC solution is based strictly on SIMATIC components, supplemented by our software modules that have been proven over years of use and optimized through constant enhancements.

The standards for HMI tasks are specially tailored to the industry's requirements when it comes to configure the different user groups, and with respect to the needs of the various user levels.

By deciding to base the solution on the SIMATIC system, we have achieved an unprecedented degree of integration while still allowing selectivity. Customers have our broad range of individual components from the SIMATIC S7 portfolio at their disposal, or can use the integrated SIMATIC PCS 7 platform for comprehensive solutions.



Totally integrated platform for process control.

Track the production process securely and reliably

SIMINE^{CIS} CC stands for intelligent distribution of functionality among the implemented components. That means that even if one of the individual components fails, the overall consistency remains intact. This comprehensive redundancy strategy maximizes data security.

Control the production process conveniently and flexibly

SIMINE^{CIS} CC enables you to efficiently deploy personnel through clear process control. It is based on an ergonomic interface which can be flexibly adapted to each task – whether for “small” simple applications in operation and monitoring or for complex control tasks.

Interaction with the system is completely tailored to everyday operation, which means the specific requirements for scheduling, operation and service are fully taken into account.

Faster thanks to powerful network systems

The individual systems of the mining process – such as the control room in the central building, material handling, or auxiliary processes like water supply – are often distributed over many kilometers.

Our powerful OTN backbone network provides a high-speed, real-time link, transmitting data and audio and video signals via a fiber-optic redundant ring.

Our services ensure your success

It is crucial to ensure top performance throughout the entire lifecycle of your plant. We make sure you achieve that goal with our professional services ranging from financing and planning to design, integration and commissioning, and even remote diagnostics and ongoing maintenance to ensure high availability. And by modernizing your plant at the right time, we put it back to a performance level meeting today's expectations.

Siemens AG
Industry Sector
Industry Solutions Division
Mining Technologies
P.O. Box 32 40
91052 Erlangen, Germany
Fax.: +49 (0) 9131 7-22233
E-mail: mining@siemens.com

© Siemens AG 2008
All rights reserved
Order-No.: E10001-M5-A19-V1-7600
Printed in Germany
Dispo-No.: 21662 K-No.: 28400
GB C-MTMI5208 M06 DA 02081.5
Subject to change without prior notice

SIMINE and SIMATIC are trademarks of Siemens AG.
CIS = Completely Integrated Solutions

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.