

BS 7 SIS

Safety Information System
Green Light for Your Production



GreCon®

The Challenge

In big industrial plants, such as wood based panel productions, there are often more than 100 spark detection and extinguishment zones. If an alarm is triggered, it is usually of short duration. The operation staff register this short incident and acknowledge it. Production usually continues uninterrupted. Even if the incidents become more frequent within one shift, they are often neither allocated nor checked for plausibility. Only if severe damage occurs and a production standstill or even a fire or an explosion are the result, it will be investigated, and the reason is often found afterwards.

It would be nice if there was a permanent overview, showing the numerous incidents at a glance. In many cases, the signs could have been recognised in time and counter-measures been taken before a damage occurred.

The Solution

The GreCon Safety Information System SIS clearly represents all incidents of the individual zones for every control console on one screen page. One can see at a glance where danger zones are concentrated, whether there are deviations from standards and whether interventions are necessary.

The GreCon SIS visually depicts the trend of alarm frequencies and graphically indicates an increase in spark generation. Thus, management and system operators are always up to date.

A System for Decision-Makers

The GreCon Safety Information System SIS statistically evaluates all individual sparks and alarm incidents. By means of individual trend analyses, the danger zones are displayed to decision-makers in an easy way.

The Traffic Light Concept

The use of this technology merely requires a GreCon OPC server platform. Special hardware is not required for the operation of this completely Web-based decision-making aid. Depending on the structure of the network, decision-makers and employees can access the graphical evaluations from any PC work station, no matter whether installed in the factory or in any other place around the world.

The central means of visualisation is the simple traffic light concept with its colours green – yellow – red. Danger points are clearly emphasised by colours.



The traffic light concept



Detailed Reporting

Alarm lists of different time zones can be generated and displayed with different sorting criteria, either chronologically or graded according to frequency, from the graphical interface. A more profound analysis of individual, relevant sections is possible.

Multi Control Console Capability

The GreCon SIS makes a parallel evaluation of the data of different GreCon control consoles of the CC 5000/

CC 7000 series possible. Thus, not only big, but also spread systems can be administered.

Web-Based and Future-Orientated

The completely Web-based architecture of the GreCon SIS makes an online access to the analytical results from all over the world possible. The required safety in the internet can be realised with any standard tool.

Thus, a safety management that is organised worldwide can operate locally as well as globally and is available at any time.

RCM - GreCon Remote Control Monitor

The GreCon RCM is a simple visualisation of the current incidents in the system. Thus, the operation staff can react to current alarm incidents much better and faster.

Plug and Play Solution

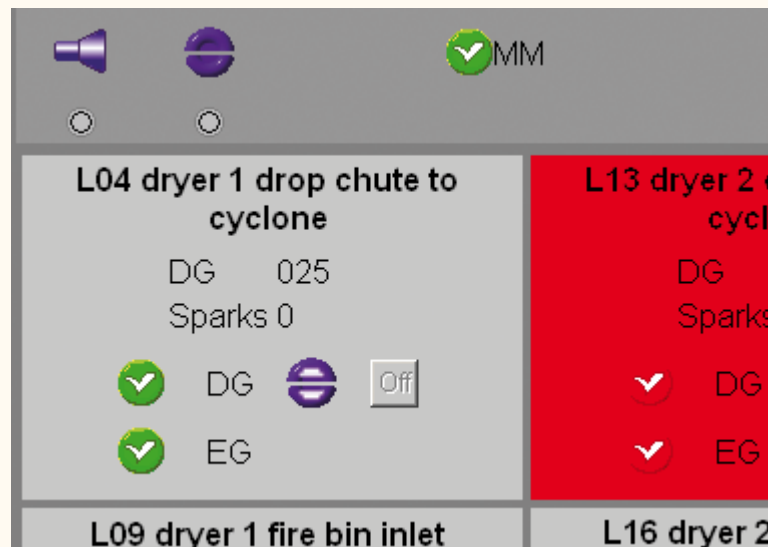
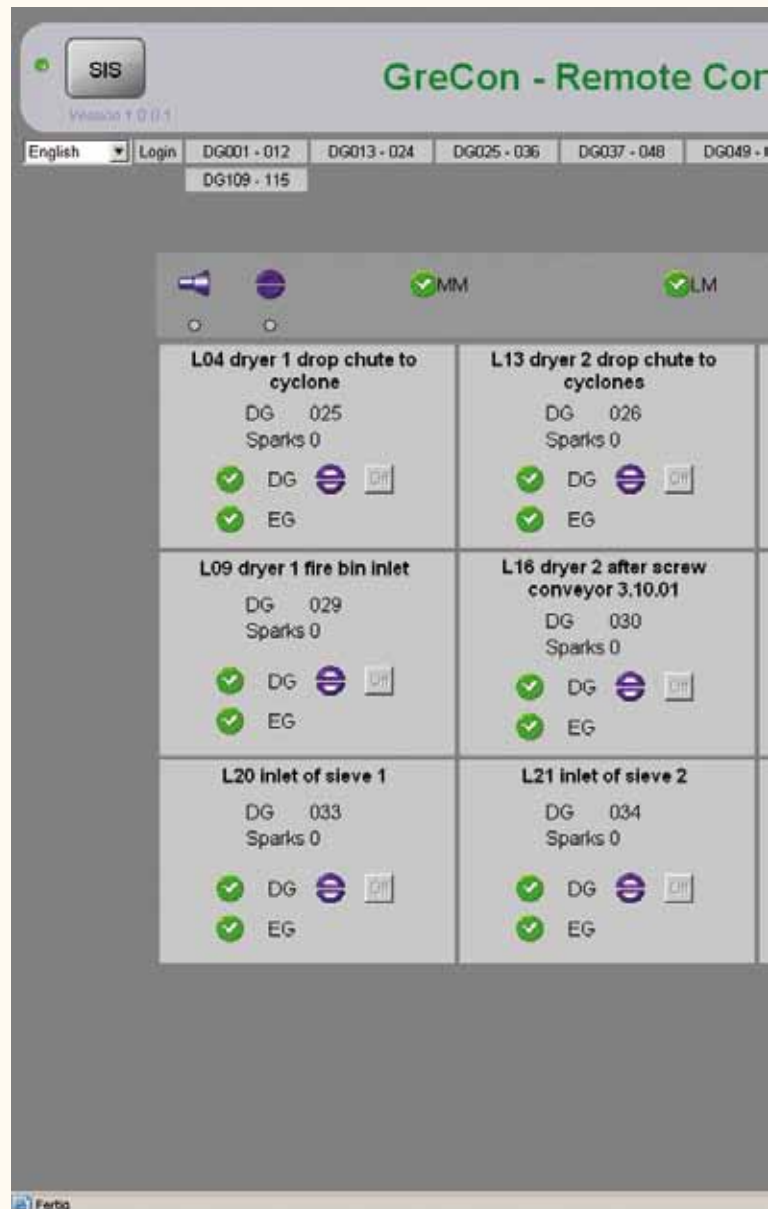
The GreCon Remote Control Monitor RCM is a simple visualisation which is available as plug and play solution without any configuration work. Even adaptations or expansions do not require additional work on the visualisation.

The easy handling can very much simplify the operation of spark detection and extinguishment systems in daily life. Essential operation possibilities are, for example, the acknowledgement of alarms or the clear administration of disablings.

The GreCon RCM makes an installation of control consoles in control rooms possible. Thus, no space is required in control stations, and cable distances can be reduced to a minimum.

Web-Based and Future-Orientated

The completely Web-based architecture of the GreCon RCM makes an online access to the displays of spark detection and extinguishment systems from all over the world possible, at least theoretically. The required safety in the internet can be realised with any standard tool.





Multi Control Console Capability

The GreCon RCM makes the parallel evaluation of the data of different GreCon control consoles of the CC 5000/ CC 7000 series possible. Thus, not only big, but also spread systems can be administered.

Operating Facility

Every spark detection zone is represented separately and with the symbols that have proved themselves for many years.

The operational condition of detector and extinguishment groups is indicated. A coloured background of a zone indicates an alarm, trouble or disabled status.

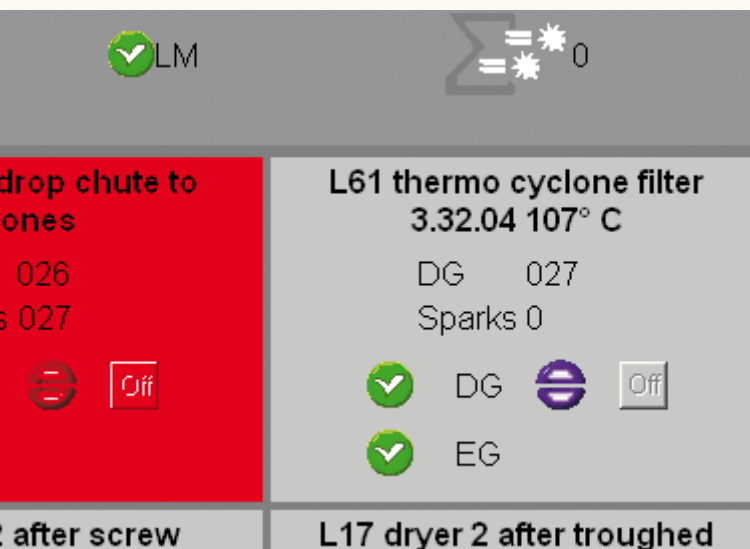
In case of an alarm, the number of detected sparks is represented for every detector group.

Individual User Rights

Depending on the area of responsibility, limited rights, especially for the operation of the system, can be allocated to individual users.

Not any employee must be able to operate everything. The graded concept of different user rights for the RCM is inherited from the control console.

With the appropriate rights, messages can be acknowledged, alarm horns and flashing lights be reset and zones be disabled.



GreCon OPC Server Technology

GreCon not only uses the internationally recognised OPC technology for the communication with other control stations and visualisation systems, but also for the connection of its own solutions, such as GreCon RCM or GreCon SIS.

Exact Process Image

OPC offers complete and current process images of spark detection and extinguishment systems at the interface at any time. It is an open interface, but standardised according to the latest state of technology. Thus, a compatibility with numerous visualisation systems can be ensured.

Monitoring of Connections

All connections are monitored for proper function at both ends by means of ingenious mechanisms. Dangerous system failures and wrong information that might be visu-

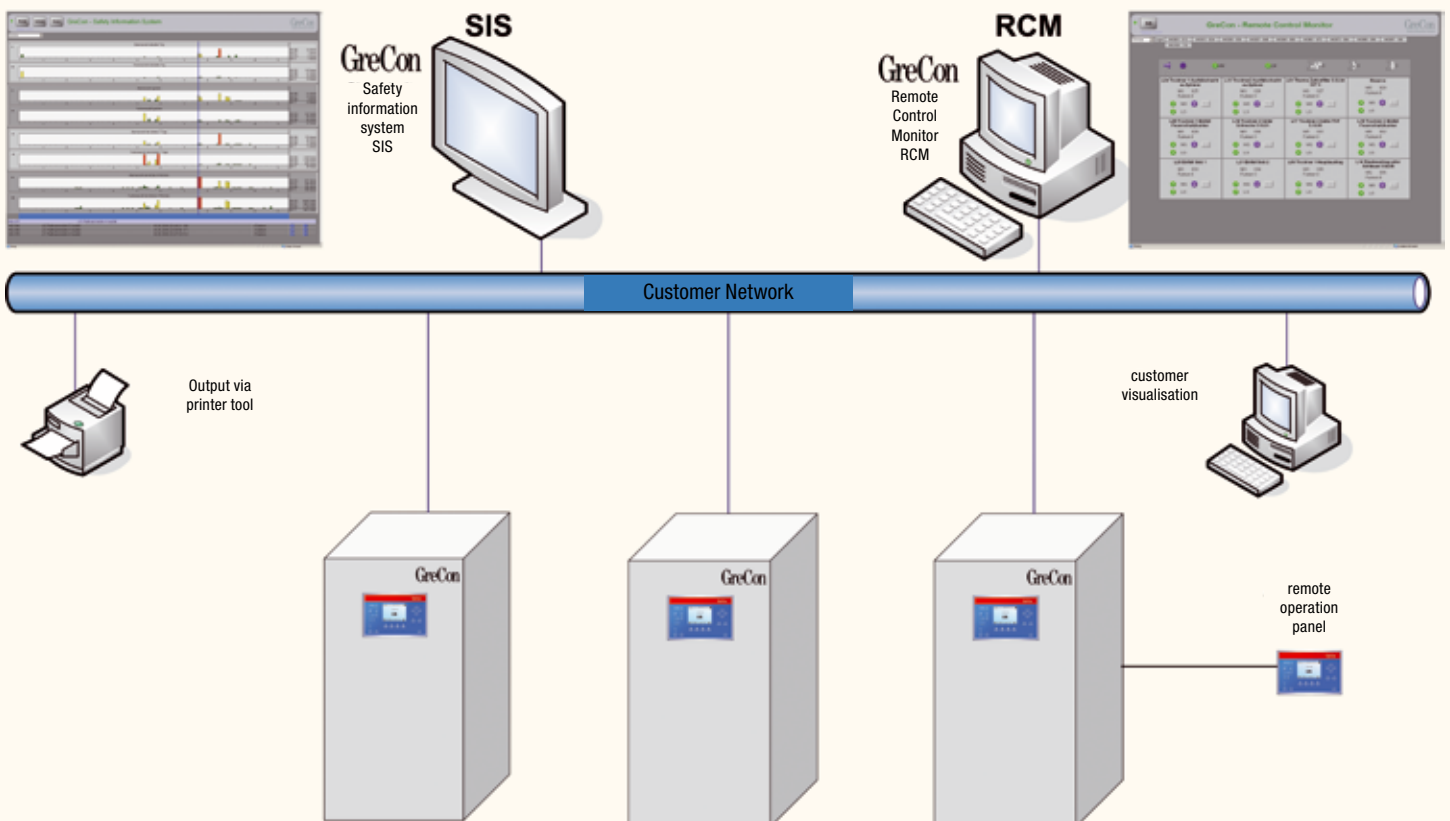
alised can thus be avoided as much as possible.

Control Consoles CC 5000/CC 7000 „Speak“ OPC

The OPC software can be installed on a computer supplied by the customer or GreCon lets the control console of the spark detection and extinguishment system speak OPC.

For this purpose, an industrial PC that is integrated in the control console can serve as interface to the customer's network.

Due to its special job, this PC is optimised in its components, the operation system and the power supply.



Multi Control Console Capability

All information of individual control consoles of the CC 5000/CC 7000 series meets in this computer and can be visualised.

The remote operation panel for control consoles of the CC 5000/CC 7000 series is the easiest way to control the system from a distance. A second operation panel, which is identical to the one in the door of the control console, is firmly mounted near the operators. The operator gets a 1:1 depiction of what is shown on the display of the control console. Operation is done either from the control console or the remote operation panel.



GreCon CC X000 Printer Tool

The CC X000 Printer Tool is an independent software that can read history data out of control consoles of the CC 7000 and CC 5000 series. It is a further developed replacement of the popular data printer.

Output of History Data

The history data memory can be read out either by pressing a key or time controlled. The data can be printed on any printer. Daily or shift reports can be easily generated.

Online Report Function

Via a parallel print, the incidents are written on a page as they occur in the control console. Print-out is done automatically when the page is full or when activated manually.



OUR HEADQUARTERS AT ALFELD - BUILT BY WALTER GROPIUS IN 1911



GreCon

P.O. BOX 1243
D-31042 ALFELD/HANNOVER
GERMANY

TEL.: +49 (0) 5181-790
FAX: +49 (0) 5181-79229
E-MAIL: sales@grecon.de
WEB: www.grecon.de

