

The Company



SAMCON Prozessleittechnik GmbH was founded in 1992 and is located in Lohra-Altenvers, near Marburg. The company is specialized in the development, production and sale of devices, software as well as engineering services in the area of process control engineering. It currently has 16 regular and freelance employees. The general managers of the company are Steffen Seibert and Roger Thoms.

Since 2008, the company has met the requirements for quality management specified by the directive 2014/34/EU (ATEX) and produces camera and communication systems for hazardous areas. In 2014, SAMCON extended their quality management system, now also comprising ISO 9001:2008 as well as IECEx QAR. Since 2007, SAMCON GmbH have been an Axis development partner and in 2013 this partnership was extended as both companies now jointly cooperate as Technology Partners.

SAMCON cameras are certified by the TÜV, the German Technical Inspection Authority. Whether simple explosion proof camera-monitor systems are required or complex CCTV systems have to be implemented - SAMCON always strive to offer the best solution to our customers. Samcon's most important objectives are high quality planning, well thought-out equipment technology, safety, and of course customer satisfaction.

Camera and communications systems.



In the area of automation technology, a tendency is noticeable that CCTV systems (Closed Circuit Television) extend and even replace classical sensor technology. With the digitalization of video streams the possibilities increase to effectively integrate them into existing process control systems and procedures. The requirement spectrum of CCTV systems in hazardous areas ranges from rather simple observations by the means of static passive video sources, to cameras disposing of a zoom function and intelligent evaluation units, to complex PTZ cameras such as dome camera systems with or without audio transmission.

Due to the constantly increasing demands which explosion proof cameras have to fulfill as well as our effort to realize and implement our customers' requirements, our current scope comprises:

- Development, manufacturing and direct distribution of explosion proof camera systems and the applicable components
- Compilation of technical concepts to realize CCTV systems in hazardous areas
- Planning and project implementation of CCTV systems in hazardous areas
- Planning and development of analog and digital signal processing and analytical systems

Project planning

For more than 20 years we have offered to our customers qualified engineering services which were constantly developed further. Those experiences in combination with working in a in a system-overlapping manner and by creatively combining technical solutions, help us to support and advise our customers in the most effective way. The below scope hereby merely reflects the basis of our possibilities as we always try to individually support our customers and to find new solutions:



- Migration concepts for process control systems
- Planning of industrial networks
- Consultation and project planning
- Installation support and commissioning
- On-call service and customer services
- Compilation of safety documentation according to SIL
- Calculation of intrinsic safety verifications

Our customers



Chemical and Pharmaceutical Industry.

Hardly any field has been so strongly altered by automated technology like the chemical industry. Process values that were still processed in large part manually in the 1960s led the way to equipment with process control systems and central measuring stations of today. Our camera systems increase the automation level of chemical and pharmaceutical production plants.



Cameras for Electronical and Mechanical Industries.

Cameras and optical sensors have long been an essential part of control systems in mechanical engineering. In general, two different fields of applications are distinguished: video surveillance and industrial image processing. In both types of application it is common to use cameras to confer at least some of the abilities of human sight on machines.



Solutions for Biogas Plants.

For biogas plants to be managed optimally and to run as efficiently as possible, the plant operator needs certain key information: what is the condition of the biomass (substratum) in the fermenter? How high is the filling level? Are there solid objects floating on the surface? Is the substrate foaming? Is the agitator still working properly? SAMCON cameras provide answers to those questions.



Explosion Proof Cameras for Refineries and Fuel Depots.

In most large refineries and fuel depot sites, process and safety monitoring requirements fit together seamlessly. Operating procedures are often only controlled and coordinated from a central control room. If information about what is happening on site is important it is possible to transfer the applicable information via camera technology to the measuring station.



Explosion Proof Cameras - Onshore & Offshore.

Oil and gas are still important energy sources and are hard to replace, especially for mobile applications. The ExCam series, especially the stainless steel models, are extremely robust: The weather resistant stainless steel casings have a rating of IP67 which means they are absolutely dust-tight and watertight during temporary submersion, making them ideally suited for all offshore uses.



Camera- and Communication Systems for hazardous areas.

Since 2003, SAMCON have planned video monitoring systems in explosion risk zones and hazardous areas for a wide range of customers. The CCTV applications range here from simple system monitoring to controllable digital video monitoring systems with voice transmission for increasing work safety in explosion risk zones.