



Voestalpine Stahl GmbH

Reliable real time 24/7 production monitoring realized with partly existing cameras on cost efficient corporate IT hardware standards.



„In our production the performance of the monitoring system is crucial. The video management system of NETAVIS meets our demands in the best way.“

ING. MANFRED RIEGLER
MANAGER TECHNICAL SERVICE VOESTALPINE STAHL GmbH

Challenge

The voestalpine Group is a global player in the steel industry with about 360 production and sales companies in 60 countries, an annual turnover of 10 bn. Euro and more than 46.000 employees. Voestalpine Stahl GmbH is the leading company of the Steel Division and international steel centre of competence.

The single production steps of voestalpine Stahl GmbH are operated by control centres, therefore they need to be visually observed in real time around the clock. Stability and reliability of the video management system is decisive to avoid rejections or production downtimes.

Complex production processes demand for wellarranged and space-saving display of particularly relevant sections of the video stream at the live monitors as well as the integration of camera control directly into the control centres. All this should be realised on corporate standards of IT hardware to ensure cost efficiency.



Solution

Currently, four production areas are supervised by 1.100 analogue, digital and special-purpose cameras for high temperature around the clock, every day of the year. 46" HD monitors of standard desktops in the control rooms display the Motion JPEG streams in real time.

The four installations are governed by NETAVIS Observer, a professional IP based platform for video management. The software is known for high compliance, best-in-class performance and unrivaled adaptability to customer requirements.

Owing to the interface SNAP XML the management of live monitoring as well as recording was integrated directly into the control centre infrastructure. Hence the video system performs fully automated, e.g. PTZ control runs hands free. Nevertheless the configuration allows for manual steering as well. PTZ-cameras can be chosen and



controlled by joystick, also video stream freezing and continuing is possible for the user.

The configuration „Crop image to fit view port“ provides the proportionally correct display of VGASStreams (4:3) in a user-defined M:N aspect ratio. Thus, relevant production details show up on arbitrary view ports at the HD-monitors (16:9) without any distortion.

Benefit

All customer demands are fulfilled. Besides crucial reliability and high adaptability of NETAVIS installations the most important benefit here lies in the software's performance. At the production site of Feuerverzinkung 5 for example, about 80 cameras with video analytics and real time live monitoring are performing on only one standard server. Consequently, cost efficiency in terms of hardware investment is taken seriously.

SECTOR:	Industry
LOCATION:	Linz, Austria
SOFTWARE VERSION:	NETAVIS Observer 4.6 Enterprise Edition
SPECIAL FEATURES:	SNAP XML, PTZ-Control, Crop image to fit view port, M:N aspect ratio
TECHNICAL DETAILS:	1.100 cameras, 300 users in 4 independent installations on corporate IT hardware standards