



xEPI 2 in the Field

Our Customers' Experience – Evonik Goldschmidt GmbH

Within the scope of field test applications, Evonik Goldschmidt comprehensively tested the web-based xEPI 2 diagnosis solution before its market launch. Please read below about the daily benefit that Dirk Deckers, Project Manager EPLT Projects, Site Service Essen/Krefeld | Germany, sees in permanent PROFIBUS monitoring.

SYSTEMATIC, TARGETED MONITORING WITH MINIMUM EFFORT

“The xEPI 2 monitoring concept convinced us: Not only do we finally have an updated, real-time overview of the network status which is really worth its weight in gold, but the email alert in case of failures in particular is a huge help: In case of network failures, we are now able to react much more quickly and selectively – with minimum monitoring effort and expense. Networks virtually monitor themselves and we only have to act when failures do occur.”



EVONIK GOLDSCHMIDT AT A GLANCE



Field of Industry
Chemicals /
Specialty
Chemistry

Products

- Primary products and active ingredients for the cosmetics industry and for detergents and purifiers
- Additives and process aids for industrial applications
- Stabilizers and catalysts for polyurethane foams
- Color and lacquer additives, binding agents and silicone resins

Company Premises

Essen | Germany

- Biggest producing industrial plant in Essen
- 6 production plants
- Evonik Goldschmidt GmbH headquarters
- Staff at Essen site: 1,436
- Annual production volume: 123,000 t



THE APPLICATION AT A GLANCE

Monitoring of PROFIBUS networks

- ca. 20 PROFIBUS stations per strand with 90% of them in Ex areas:
 - Infrastructure components such as Remote I/Os from Turck (Excom), Wago, Stahl (IS1)
 - Sensor technology from E&H, VEGA, Turck, etc.
 - Actuating elements from Pesch, Richter, Samson

PLC

Siemens S7, AEG A250 with Hilscher KPO for PDP connection

Control System (DCS)

Delta V

Active email alert

Application of the solution

was tested for several months, Established as standard for new plants and facilities

FUTURE-PROOF CONCEPT

“In future, we will employ the diagnosis solution permanently and expand it to additional strands. After our positive experiences, our colleagues at other sites are also interested in the monitoring concept. In the future, Evonik Goldschmidt is going to implement the diagnosis solution as standard in our new plants and facilities, as commissioning time for the bus system has also been considerably reduced.”

EXPERIENCE INNOVATION

“We have been successfully using the Trebing & Himstedt xEPI as an access point for FDT field device



configuration for some years. We were therefore very interested in getting to know and testing the new diagnosis solution on an already established and well proven hardware platform. Trebing & Himstedt managed the field test as competent partners; they offered advice and assistance regarding any questions and were available for practical support at all times throughout the entire field test. As a result, we could make the most of the benefits of this innovative concept."

MANY THANKS

During the field test phase, Evonik Goldschmidt provided helpful suggestions to the Trebing & Himstedt product development team which resulted in an enhanced product quality. We would herewith like to thank Mr. Dirk Deckers for this commitment.



**xEPI 2
DIAGNOSTIC UNIT**

Permanent and Web-based Monitoring of PROFIBUS Networks

The xEPI 2 enables continuous, parallel monitoring of a high number of PROFIBUS networks. Current network status and detailed diagnosis information can be accessed via web browser from any place and at all times. The intelligent diagnostic unit automatically identifies any problems occurring in the PROFIBUS network and triggers specific email alerts.

To use this feature, the xEPI 2 is connected to the PROFIBUS network to be monitored as a "silent listener" without own station address. The xEPI 2 functions as a network agent. Together with additional xEPI 2 units, it forms an intelligent diagnosis infrastructure. For maintenance staff, mechanical engineers or plant constructors, as well as external service providers, this innovative concept allows monitoring of faultless operation of the fieldbus and connected stations. In case of failures, it enables an effective and targeted reaction and troubleshooting.

Further Information:
www.t-h.de

Station	IP-Adresse	MAC-Adresse	Station Name
10.13.18.81	084000-1	THAEPI_000140	THAEPI_000140
10.13.18.84	084000-2	THAEPI_000176	THAEPI_000176
10.13.18.88	084000-3	THAEPI_000159	THAEPI_000159
10.13.18.128	020004-02	THAEPI_000157	THAEPI_000157
10.13.18.133	020004-01	THAEPI_000158	THAEPI_000158
10.13.18.141	084000-02	THAEPI_000156	THAEPI_000156

Detail	Value
Location	Plant Shop
PROFIBUS networks monitored	6
PROFIBUS networks with failures	1
PROFIBUS networks with disabled monitoring	0