



MOMENTIVE PERFORMANCE MATERIALS

Mobile process efficiency with Ex-Zone 1 certified devices

Our Customer

Momentive Performance Materials Inc. is a U.S.-based chemical company and one of the world's leading manufacturers of silicone and silicone derivatives. The group operates at more than 40 locations in over 20 countries worldwide. The company has approximately 5,000 employees and is headquartered in Niskayuna, New York, USA. Momentive's extensive product portfolio includes advanced silicones and specialty solutions that play a critical role in enhancing performance across a wide range of industries, including agriculture, automotive, aerospace, electronics, energy, healthcare, personal care, consumer goods, construction, and more. Momentive Performance Materials, Inc. is an indirect, wholly owned subsidiary of MOM Holding Company.

The Challenge

Since a smooth and automated working environment in explosive areas is essential, the European sites are to be gradually equipped with new explosion-proof smartphones and smart scanners in the initial phase.

Large warehouse and production environments, as well as individual disruptive factors (including production noise and dust), pose challenges for safe and mobile work processes.

In addition, the hardware must be explosion-proof. Until now, only a few devices have been used, which also offered limited ergonomic benefits. Therefore, a new and comprehensive solution was to be found for a gradual, Europe-wide rollout of devices.

WE ARE THE SUPPLY CHAIN ARCHITECTS.



Sample Image © BARTEC.



Sample Image © BARTEC.

The Solution

The planned device rollout began at Momentive’s German site in the Leverkusen Chempark and was subsequently continued at Momentive’s UK locations. Together with BARTEC, a leading manufacturer of explosion-proof industrial products, and Momentive, ICS Group developed an integrated rollout plan including testing and go-live phases.

The first step was to evaluate the most suitable devices for Momentive. A live operational test and interference analysis provided clarity and guidance on key criteria for device selection. After choosing BARTEC as the manufacturer, BARTEC Pixavi Phones and Pixavi Scanners were initially deployed, later supplemented by the latest BARTEC smartphones SP9EX1 and smart scanners SC9EX1.

Initial experience with the Pixavi devices was carefully analyzed, allowing mobile workflows to be further optimized with the new SP9EX1 and SC9EX1 models. ICS will continue to serve as the primary point of contact for Momentive regarding technical support and the implementation of additional locations.

The Result

By renewing and expanding more than 150 explosion-protected devices, Momentive now benefits from a secure and stable device infrastructure for hazardous environments at its main site in Leverkusen as well as at its two UK locations in Abingdon and Bolton. The rollout was carried out without any disruption to ongoing operations. Plans are in place to further expand the mobile hardware infrastructure to additional countries in collaboration with ICS and BARTEC.

The ICS Group is looking forward to speaking with you!

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In a Nutshell

The Company

Momentive Performance Materials GmbH
<https://www.momentive.com>

Industry

Chemical Industry

Project Challenges

- Digitalization in explosive environments
- Lightweight and user-friendly device handling
- Seamless integration into existing processes

Solution

- BARTEC Ex-Zone 1 certified smartphones & smart scanners
- Simple and safe device operation

Result

- Successful go-live and satisfied users
- Operationally reliable and future-proof devices

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