

Case Study



SABIC UK, one of the world's leading petrochemical companies, is using the next generation of ATEX explosion proof digital cameras from CorDEX Instruments to record vital site surveys and maintenance activities in hazardous areas.

SABIC UK FOCUSES IN ON SITE SAFETY WITH CORDEX'S NEXT GENERATION ATEX CAMERA

SABIC UK is using the next generation of ATEX explosion proof digital cameras from CorDEX Instruments to record vital site surveys and maintenance activities in hazardous areas.

Asset surveys, maintenance programmes and fire safety measures are key priorities at industrial sites and high quality digital photography enables engineering teams to work more effectively, ensuring that equipment and systems are running efficiently and safely.

SABIC UK is a member of SABIC, one of the world's top 10 petrochemicals companies which is a major producer of plastics and chemicals and employs more than 33,000 people worldwide.

CorDEX Instruments' **ToughPIX 2303XP** has been adopted by the site engineering team at SABIC's Teeside petrochemical plant in the UK and has resulted in significant time savings across a number of projects. The next-generation device is ATEX and American CSA certified to take images within Zone 1 IIC T4 and Class 1 Division I B, C, D hazardous areas.





Encased in aluminium with an ultra-bright display protected by armoured glass, the revolutionary camera is custom designed for use in the harshest environments and can capture still and moving images in AVI format of up to 10 mega pixels.

Teesside-based assistant technical engineer Wayne Douthwaite regularly uses the ToughPIX 2303XP to record the condition of assets at the plant as well as maintenance and survey work for regular reports.

Mr Douthwaite said: *“For a site engineering team, a high quality hazardous area camera is an essential tool and the ToughPIX meets our needs perfectly. It does everything we need it to do and its robust construction gives it a much longer life-span than other cameras we have used in the past.”*



“Working within the petrochemical industry, most plant areas are deemed to be zones where a flammable atmosphere may occur. The CorDEX camera is rated for use in Zones 1 and 2 and is ATEX certified which allows us to use the ToughPIX in areas where normal digital cameras are not allowed.”

Detailed photographic records are essential for the team as they monitor the condition of assets at the plant as well as provide visual guides to maintenance teams working on site.

The ToughPIX 2303XP camera has been used by the team on a number of projects including: monitoring process-critical valves, a tank decommissioning project and tank rim seal fire detection work where digital photography has played an important part in recording the condition of assets and determining maintenance schedules.



SABIC UK assistant technical engineer Wayne Douthwaite regularly uses the ToughPIX 2303XP at the company's Teesside petrochemical plant



Mr Douthwaite said: “We previously used a different make of digital camera but the ToughPIX fits our needs perfectly. In each of our projects the camera has been extremely useful and has allowed us to digitally record the condition and maintenance of process-critical assets around the plant.

“Using our photographs we have also been able to show the maintenance team which pipework and associated instrumentation has to be disconnected and removed as part of a tank decommissioning project. Without the camera this would have required a member of our team to point out or mark the assets before work could begin so it represents a significant time saving for us.”

A number of features on the ToughPIX 2303XP camera have helped Mr Douthwaite and his colleagues capture all the information they need at the plant, down to the smallest details.

He said: “The camera’s LCD screen is very useful to confirm the content and quality of pictures and prevents the possibility of time-consuming site re-visits to make sure we get the pictures we need.



“The high-powered flash enables us to take photographs in the most arduous conditions and the macro lens is perfect for capturing small details. This has been ideal for our ongoing project to clearly photograph and log equipment name plates and cable numbers across the plant.”

Yorkshire headquartered CorDEX Instruments has launched a series of ATEX and Intrinsically Safe certified products to the energy sector.

Business development director for CorDEX Instruments, Marcus Halliday said: “We have refined and updated our digital camera range following excellent feedback from industry. The ToughPIX 2303XP is the next generation in explosion proof digital camera technology which offers the very latest functionality and can help make significant time savings in the field.”

CorDEX Instruments has also developed CorDEX CONNECT™ – a desktop package that boosts the capabilities of ToughPIX 2300XP Series cameras and is included as a complimentary ‘add-on’ package for customers.

CorDEX CONNECT™ allows users to exclusively organise and manage information and images taken in the field with the ToughPIX 2300XP Series. It can generate reports and quickly manipulate images downloaded onto the system. Users can simply download images, edit then instantly annotate to produce reports.

CorDEX Instruments is a leading manufacturer of intrinsically safe and non destructive testing products for the energy industry. For more information, visit www.cordexinstruments.com

For more information and customer testimonials, contact...

CorDEX Instruments Ltd
Unit 1, Owens Road,
Skippers Lane Industrial Estate,
Middlesbrough,
Cleveland TS6 6HE

Tel: +44 (0) 1642 454373
Tel USA: 1 877 836 0764
Email: sales@cord-ex.com
Web: www.cordexinstruments.com

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