



ZYTRONIC

The world at your finger tips



CLIENT:



LOCATION:

UK

MARKET SECTOR:



TECHNOLOGY:

ZyTouch™

WHAT WE DID:

The proprietary Projected Capacitive Technology (PCT™) developed by Zytronics has on many occasions proved its ability to be employed in the most uncompromising of environments. Recent successes in heavy industry have further underlined this, showing its superior performance over alternative touch solutions. Among these successes are the inclusion of the company's ZyTouch® and ZyBrid® products by 'mission critical' process controls manufacturer Smart-Ex in their new range of explosion-proof terminals designed for use in offshore oil and gas drilling.

Enabling the collection and analysis of data by operatives on drilling rigs, these terminals depend upon a rugged human machine interface (HMI) that is easy to use – so that vital information can be rapidly viewed, understood and then acted upon; combined with a high degree of isolation – so that the electrical hardware inside the terminals does not come into

contact with the potentially combustible gases and liquids outside – thereby putting lives at risk. In addition, due to the incredibly tough working environment in which the terminals are deployed, it is essential that the chosen touch technology is capable of faultless outdoor 24/7 operation, exposure to corrosive salt water and oil, plus response to the touches of users wearing heavy work gloves.

Customised 15 and 19-inch versions of the highly rugged PCT touch sensors have been integrated into the Smart-Ex terminals, along with ZXY100 high performance touch controllers, and they are already being deployed on oil rigs around the globe. Using thermally toughened glass with thicknesses of up to 23 mm, these touch interactive terminals are capable of coping with the rigours of Zone 1 hazardous environments.