GRAB CONNECT takes STEMM to the top

A remote based on IT control solution developed par STEMM places it at the forefront in handling technology.

STEMM is a company from the Basque Country with global reach. It designs and manufactures a variety of grabs, grapples, clamshell grabs and tongs for multiple sectors: steel, marine, renewable energy, industry cranes, cement and waste processing plants. It aims to set a new benchmark for the world within its field with the modernization of their handling and lifting equipment.

The recent addition of high-performance Information Technology (IT) concept guarantees fundamental advances in traditionally robust machines by providing now benefits in remote maintenance and support, impossible so far with a classic design.
This is why STEMM is the first and only company in the world today to offer this type of remote control technology on its equipment.

IF DARWIN WAS RIGHT, AS DO WE.
Evolution is unstoppable. In an increasingly competitive market, one grows, develops and survives better by offering better adapted alternatives. This is the starting point for all those like STEMM who want to stand up, innovate, improve and contribute more to the sector. This is not to have it working but we must be sure that they are performing at the optimum regime. Robustness and communication go now together by offering greater confidence. The fact that the Information Technologies have destroyed our environment says it all. We need to know more and better than all that matters to us.
High reliable equipment such as grabs, working 24 x 7 during the whole year, require special monitoring and maintenance. Today this is a reality thanks to Phoenix Contact

heavy duty industrial equipment able to withstand high vibrations and highly variable ranges subject to harsh handling, impacts and climate
variations while working outside.

The new IT tools ensure close follow up and proper preventive maintenance that may affect filters, gaskets, components, oil changes, real-time working hours warnings, incidents or critical performance reports for making appropriate decisions.

A DREAM COME TRUE

Now from anywhere in the world, wherever there is Internet or 3G telephone coverage, you can interact with machines in real time. This is the purpose of GRAB CONNECT system, which allows start-up operations, remote diagnostics, technical support, check and complete control of the machine remotely and in real time, including programming and basic settings such as varying pressures, cycles, flow rates, etc .

Similarly, operations such as SCRATCHING developed for automated processes in biomass handling and recycling facilities are associated with the KIT 2012-a. This equipment includes the powerful industrial modem PSI-MODEM-3G-ROUTER associated with an ILC 131 ETH embedded controller among other elements.
Optionally the system can be equipped with video camera and voice over IP. The power of offered peer-to-peer communication is such that both the user and STEMM can manage via Scada Web services or email all incidents and device status as desired. All in order to allow large companies to fulfill their manufacturing or continuous materials processing commitments. Perhaps this is just the first step. Possibilities such as wireless direct writing SQL (or MySQL) data, security SIL3 or cybersecurity and others arrive in the near future. Global trends such as Industry 4.0 seem so indicate.

A SUCCESSFULLY CONCLUDED COLLABORATION PROJECT

Equipping these big traditionally robust lifting and handling "beasts" with unprecedented communicative capacity has not been easy. A close and lengthy collaboration between STEMM, ABM REXEL and Phoenix Contact to make this dream come true has been compulsory.

The commitment to progress in facilitating the monitoring and prevention aims to further increase of the availability of these machines and their respective guarantees. This has been critical for our success story. We trust to have Phoenix Contact support in order to achieve continuous improvement that has always characterized us.