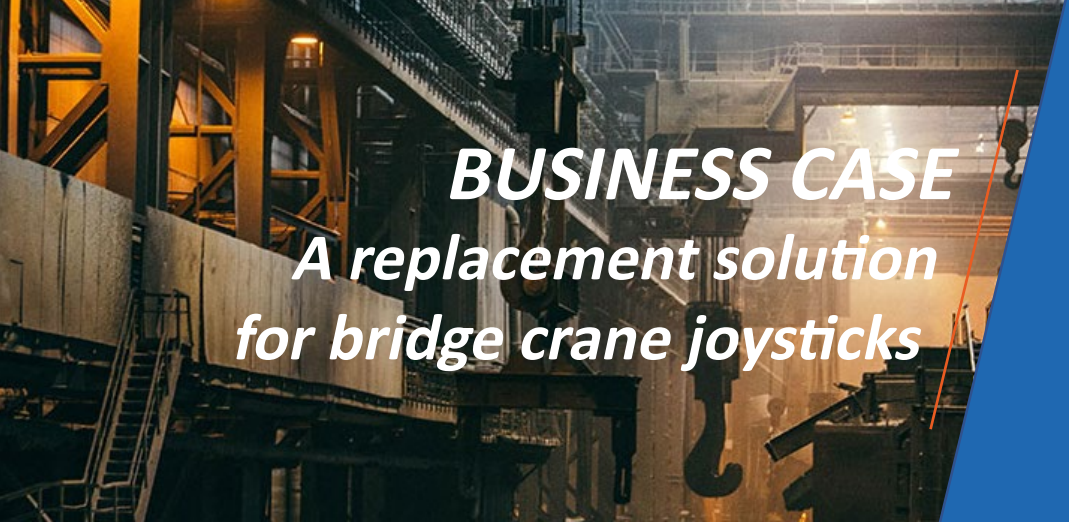

BUSINESS CASE
A replacement solution for bridge crane joysticks

efa
Industrial Parts & Equipment

"Our mission is to guarantee the continuity of our activity in order to ***maximise the plant's level of productivity****.*

When maintenance was no longer an option, and neither was replacement, that's when efa brought us its ***expertise in analysing*** *and* ***developing suitable industrial joysticks.*** *"*

The Customer

A French steel plant that **produces merchant bars used in construction, agricultural machinery and climate engineering**.

The Problem

Faced with the discontinuation of the Schneider joysticks it had been using, our customer experienced **a major challenge in the day-to-day operation of its industrial lifting equipment**.

It absolutely had to find a replacement solution to guarantee continuity of production, while ensuring the safety of all operators.

The Challenge

- **The technical challenge**

Every piece of industrial lifting equipment has its own specific requirements: ergonomic constraints, precision requirements and the diversity of lifting operations mean that joysticks have to be fully customised and made-to-measure.

- **The operational challenge**

Maintaining operational continuity is essential to avoid any disruption to production processes, and to enable operators to retain their usual way of running the plant. New configurations must also be functional as soon as they are installed, without compromising the plant's productivity performance. It is therefore necessary to minimise adaptation times, while maintaining the performance and reliability of lifting operations.

Technical expertise, team of 20 engineers

Development of **customised configurations** and **solutions**

Joystick specialist for mobile vehicles and industrial installations

efa
Industrial Parts & Equipment

Replacement solution for bridge crane joysticks

- Customised joystick configuration
- Dedicated engineering team
- Development of secure radio controls for remote operation
- Multiple managed protocols Relay, CAN, Ethernet, Profibus, etc.

The Solution

efa's strong partnerships with manufacturers of joysticks for off-road/on-road vehicles or industrial installations have enabled it to develop **a unique product that meets specific requirements**.
efa has designed **a unique configuration for each joystick**, simplifying replacement for the customer and limiting the need for adaptations to existing installations :

- Potentiometer 5K-0-5K
- Specific contact configuration 9P1
- Handle with dead man's switch and double contact 1NO/1NC

The Results

The validation by the site's technical team and the satisfaction of the operators illustrate the success of this project. As well as replacing these joysticks, we have developed **new configurations of safety radio controls** in order to remote control certain installations.

Need information ? Contact us : sales@efa-france.com

http://efa-controls.fr - 02 47 61 78 50 - 3 Rue Claude Chappe, 37230 Fondettes