

Manipulation Proof Control Box for Gas Tankers Patented

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The Challenge

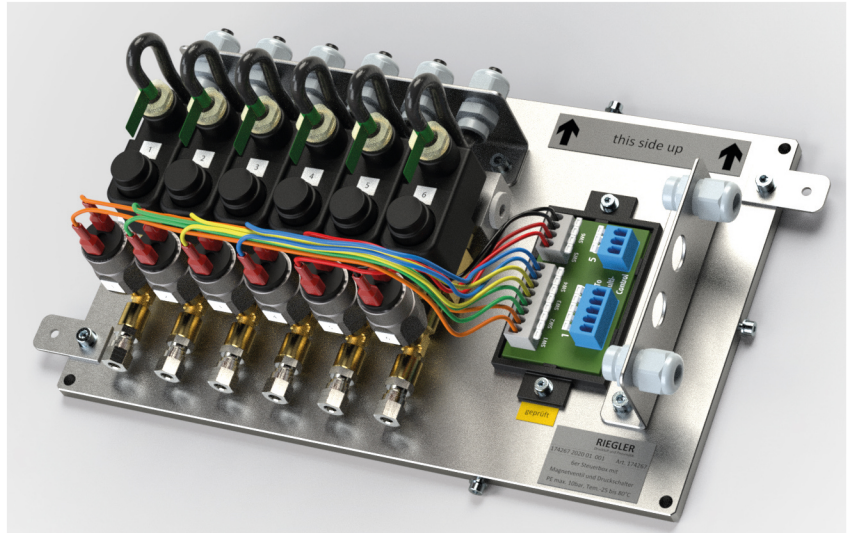
Oil companies and forwarding agents frequently face the following problem: Products such as fuels and heating oil that are being transported in a tanker do not arrive at the gas station or offloading point in the same quantity or quality as when the tanker set out.

The Solution

The RIEGLER control box for tankers was purpose-designed in order to be able to ensure in future that no manipulation takes place on the way to the offloading point. The control box was developed and patented together with RIEGLER's client SECU-TECH.

The manipulation-proof control box for tankers features a control unit that helps send control signals to magnetic valves. These magnetic valves manage the outlet valves on a tank. Sensors are assigned to the base and collector valves that monitor the actual switching status of the valves. The control box then compares the signals from the push switches with the control signals and determines if there are any discrepancies. Should this be the case, an event signal is sent.

In line with the number of chambers in a tanker, RIEGLER has developed different versions that can be combined with one another. The relevant control valves, sensors, and connectors are protected by a robust and sealable aluminium casing and are not



accessible to unauthorised persons. The connections inside the control box fit the steel hoses that supply the base and collector valves.

The majority of SECU-TECH customers use the SECU Client data management program. It monitors and manages tracking, mapping, geofencing, and alarm-mailing in the event of non-authorized access of the SECU MultiTank System during transportation from loading point to destination. This mature data management system offers clients real-time knowledge of what is happening inside the tanker. The e-mail warnings give the client a direct insight into the vehicle: Data can be filtered, forwarded, processed, and analysed.

They are available in the history until data transmission starts. Via a link, the warn e-mail sends you straight to Google Maps so you can see the location of the tanker

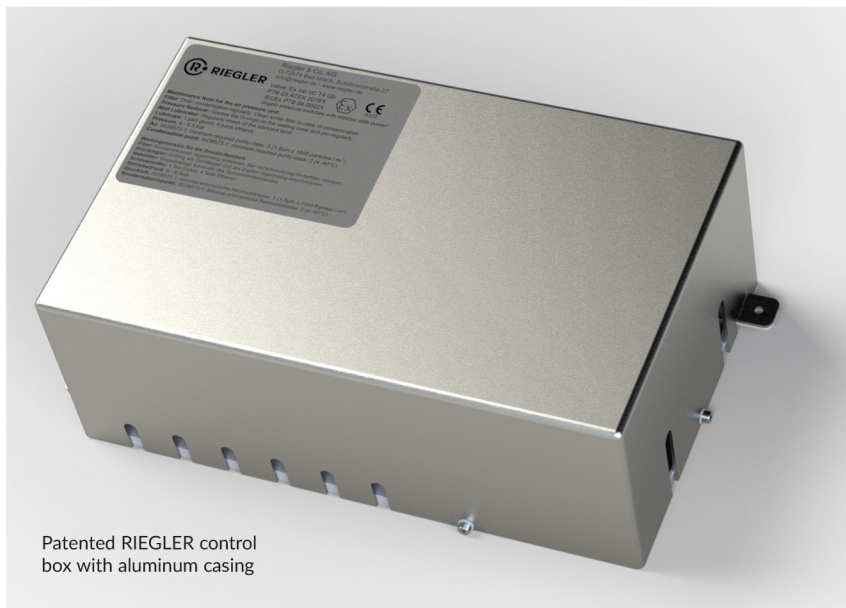
just being manipulated. Moreover, you can see which chamber and what vehicle function are being tampered with.

What you get is effective manipulation protection. Fuel theft from tankers now gets documented.

Its product portfolio includes both overfill and overspill protection, product mixture protection systems, Theft protection systems with SPD functionalities and cordless measuring data transmission and filling level measuring systems with the related data management programs, tracking and map- ping solutions.

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Patented RIEGLER control box with aluminum casing