

PROJECT-SPECIFIC SOLUTIONS FOR ZONE 2

R. STAHL offers solutions to operate network components of your choice in hazardous areas – this includes devices that do not have corresponding approval.

Enclosure system 9851 allows us to supply this solution in a short time. The advantages of a WiFi network really come to the fore when a network is managed uniformly

across the company under central administration. Housing system 9851 enables the use of standard WiFi access points.



„nR“ type of protection – restricted breathing enclosure

These enclosures are designed to limit the potential ingress of explosive atmospheres. When these housings are used in a simple design, the user must test their impermeability at regular intervals. Housing system 9851, combined with a connection chamber, is designed to make these user tests unnecessary.

FLEXIBLE STRUCTURE – INTERNAL OR EXTERNAL ANTENNAE

The use of plastic enclosures means that the use of external antennae is not absolutely necessary. This also makes it possible to use devices that only feature an internal antenna, as is often the case with WiFi or RFID readers. This approach allows users to save both space and money.

LIGHTWEIGHT ENCLOSURE WITH MINIMAL MAINTENANCE REQUIREMENTS

Compared to Ex d enclosures, the plastic enclosures are up to 70% lighter and are significantly easier to install. A range of enclosure sizes are available, to ensure that the enclosure is optimally adapted for the size of the device to be protected. As the connection is made in the field via the separate connection chamber, the required maintenance is kept at a minimum.

EASY CONNECTION – EASILY ACCESSIBLE

The lower part of the enclosure is used for connecting the wireline communication and the power supply. The separate connection chamber enables the connection to be made during the installation process without affecting the explosion protection of the upper part of the enclosure or increasing the maintenance requirements.