

# SUCCESS STORY

...when Customer and  
Engineering work hand in hand !



## Design With Us



## Barksdale H2 pressure monitoring on Fuel cells in trains

When a fuel cell system is used in vehicles like trucks or trains, the hydrogen manifold plays a crucial role:

### Features

- It connects the hydrogen storage tanks to the fuel cell stack
- It manages the flow, pressure, and safety to ensure stable hydrogen delivery
- It interfaces with the fuel cell controller to optimize performance



### The Efficient Solution

To support these functions, the Barksdale pressure transmitter BT5 verifies the proper pressure feeding of hydrogen into the fuel cell compared to the incoming air pressure from the blower. Although the hydrogen feed is driven by other system parameters, this transmitter provides redundant information for reliability.

Additionally, the Barksdale Pressure Switch KLM acts as an early safety device, alerting the system to critical conditions. It is designed to switch as close as possible to 5.5 psiG and not exceed 6.0 psiG, enhancing safety by responding promptly to pressure changes.



Contact us today to learn more about our product portfolio for hydrogen applications.

## Design With Us



Leverage our technical expertise to meet your requirements. Modify standard products for your project.