

Case study

## Maximize Safety and Minimize Total Cost of Ownership with Pilot Valves

### Full Bore Pilot

↑ Rated Capacity

# 48%

With Comparable Valve Size<sup>(1)</sup>

### Field Test Connection

↓ Maintenance Cost

# 50%

Compared to Other PRDs<sup>(1)</sup>

### Dual Pilot Configuration

↓ Downtime

# 100%

Due to Pilot Maintenance<sup>(1)</sup>

<sup>(1)</sup> Savings vary by application.

### The Right Valve for the Right Application

For more information, please contact your local *Green Tag*™ Center.

[valves.bakerhughes.com](http://valves.bakerhughes.com)

Pressure Relief Devices (PRDs) can sometimes be viewed by users as a “**Necessary Evil.**” While they are critical to ensuring the safety of life, property and equipment, some PRDs in certain applications can exhibit a **High Total Cost of Ownership** for operators and generate no profit in return. The challenge for these operators is:

“How to **Maximize Safety** of my operation while **Minimizing Total Cost of Ownership?**”

### Smaller PRVs & Pipe Diameters

*Consolidated*™ Full-Bore Pilot Valves offer up to **48% greater capacity** compared to standard bore with comparable valve size. This unique offering allows operators to **save on valve cost and associated piping investment** thanks to reduced piping diameters.

### Modulation Reduces Inlet Line Pressure Drop

A modulating action Consolidated pilot valve will flow the required capacity of an overpressure event rather than the rated capacity of the valve. This allows users to take advantage of using the **system required flow rate** in their line loss calculations rather than the valve rated flow, thus **reducing inlet line losses.**

### Functional Test Cost Reduction

The Field Test Connection allows operators to functionally test their PRV fleet while the pilot valves **remain in service & continuously protect the system** from an unexpected overpressure event. The accessory comes standard with every Consolidated Pilot Valve.

### Reduce Unplanned Outage with Dual Pilots

The dual pilot option allows users to **reduce unplanned outage downtime** servicing or replacing one off-line pilot while the other continues protecting their system. This allows service technicians to **perform service and repair on their own planned schedule.**