



## Case Study: Power Plant in Canada Improves Boiler Visibility with Reliance Simpliport® and Westech Industrial

### Overview

A large thermal power generation facility in Canada faced persistent challenges in maintaining reliable and safe boiler level monitoring. In high-pressure steam environments, clear visibility and rugged durability are critical — both for plant safety and for efficient operations.

To address these concerns, the plant turned to **Westech Industrial Ltd.**, the exclusive Canadian representative for **Clark-Reliance**, to recommend a robust and low-maintenance sight glass solution. The team implemented the **Reliance Simpliport® 180**, which proved to be a transformative upgrade.

---

### Challenge

The existing traditional ported water gauge systems at the facility required constant maintenance and periodic replacement due to gasket failure, limited visibility, and thermal fatigue. Operators reported difficulty reading water levels clearly, particularly under varying lighting conditions.

Additionally, safety protocols required redundant systems to prevent misreadings — a factor which increased operational complexity and inspection time.

---

### Solution

Westech Industrial partnered with Clark-Reliance to recommend the **Reliance Simpliport® 180**, known for its enhanced safety features, durability, and exceptional visibility — even from a distance and at an angle.

### Key Advantages of the Simpliport® 180:

- **180 degrees** of illumination and aluminosilicate glass
- **360° Illumination** and high-contrast red/green indicators
- **Borosilicate glass** with rugged metal frames and shields
- **Quick-change design** for fast, safe maintenance using one tool for module replacement

- **CSA and ASME compliant** for Canadian power standards

Westech worked closely with the plant's engineering and maintenance teams to customize the installation and ensure a seamless transition from legacy equipment.

---

## Results

- **Improved Operator Confidence:**  
Enhanced visibility led to faster, more accurate level readings.
- **Increased Safety Compliance:** Built-in redundancy and easier inspections improved alignment with plant safety protocols.
- **Lower Maintenance Downtime:**  
Technicians reported significantly less maintenance and longer service life compared to previous solutions.

"With the Simpliport® 180, our boiler monitoring has become more reliable and operator-friendly. Westech's support was instrumental in making this upgrade successful."

— *Lead Maintenance Engineer, Canadian Thermal Power Plant*



---

## Clark-Reliance®

A global leader in boiler instrumentation and level indication systems, offering innovative solutions for safer, more efficient operations.

## Westech Industrial Ltd.

Based in Canada, Westech has over 50 years of experience providing measurement, monitoring, and safety solutions to process industries across the country.

---

## Interested in Improving Your Boiler Visibility?

Contact Westech Industrial today to learn how the Simpliport® can be customized for your application.

1-800-912-9262 | [www.westech-ind.com](http://www.westech-ind.com)