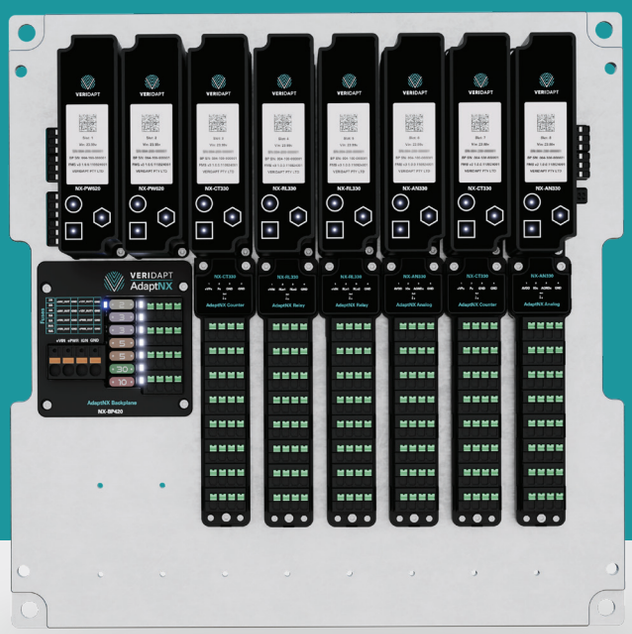
VERIDAPT AdaptNX

INNOVATE. ALWAYS. COMPROMISE. NEVER.

LIMITED RELEASE

Introducing AdaptNX

Next generation **modular fuel management** hardware



For more than 20 years, **VERI**DAPT's IoT platform Adapt**FMS** has been driving fuel efficiencies, optimising costs reducing theft and fraud on the mine site.

Today we monitor, control and authorise over 35 billion litres of hydrocarbons annually across 150-plus mining and rail operations. Clients include BHP, Vale, Teck, Freeport, Newmont, Peabody, CNRL and Suncor, operated by Syncrude.

VERIDAPT is at the forefront of innovation, establishing a new standard in optimizing fuel and energy management while tracking emissions with the introduction of next-generation hardware, Adapt**NX**. This solution provides cutting-edge capabilities for today's mine sites and enables the seamless integration of tomorrow's technologies.

Adapt**NX**'s unique modular design is easier than ever to deploy across any sized mine site, with varying energy consumption profiles and fuel/hydropcarbon management requirements – from a single tank to a complete enterprise supported with both hardware and cloud applications.

Adapt**NX** has preserved the historical ruggedness and reliability in the harshest environments while improving cost-effectiveness through flexible configuration options, seamless installation, and simplified serviceability, ensuring our existing market leading product's total cost of ownership are further enhanced.

Adapt**NX** coupled with **VERI**DAPT's software allows for optimal data-driven decision making. Adapt**IQ**, is a secure, central web software application with an industry-wide reputation for intuitiveness and reliable reporting.

BHP · VALE · Teck · FCX · Newmont · Peabody · Canadian Natural · SUNCOR ENERGY

For more information please contact us at **info@veridapt.com**

veridapt.com

*Some features described in this document are planned for future releases and may be subject to change.

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New Modular Design Features and Benefits:

- Backplane designed with varying numbers of slots to accommodate any installation size; multiple backplanes can also be daisy-chained while still communicating over the same bus.
- Modules are mechanically designed to fit into a single slot and communicate over a unified bus, eliminating the need for internal wiring.
- Passive terminals are separated from the modules, enabling easy replacement in the event of an unlikely failure, without the need for rewiring.
- User-friendly local troubleshooting tools are available for each module through an LCD screen and buttons.
- Range of HMI options available, highlighting **VERI**DAPT's uniquely rugged and reliable touchscreen, alongside portable devices and mobile application solutions.
- The system is designed for rapid cabinet assembly, self-enrolls into SaaS infrastructure, and can be remotely configured from the cloud. Field wiring is excluded.
- Firmware upgrades can be performed locally, remotely, or over-the-air via wireless connectivity.
- System components equipped with a unique electronic ID and factory-written metadata stored in its internal memory. This information is also encoded as a 2D barcode, enabling remote module-level traceability while offline and allowing for the creation of a virtual block diagram of the entire installation once online.
- Enhanced remote troubleshooting and support are enabled as each module continuously records its service history. The modular design allows for seamless integration of emerging technologies by simply adding new modules, without the need to refactor the system or rewire.

Example Configuration

Adapt**NX** Backplane 2PWR, 6POS (345x345mm)

- ✓ 2 x 60W Power Supply
- ✓ Up to 16 x Single Channel/8 Dual Channel Meters
- ✓ Up to 16 x 3A Relays
- ✓ Up to 16 x Channel Analog Tank Gauging

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