

# strataHUB RANGE

UNIVERSAL VEHICULAR CONTROLLERS  
& DATA LOGGERS





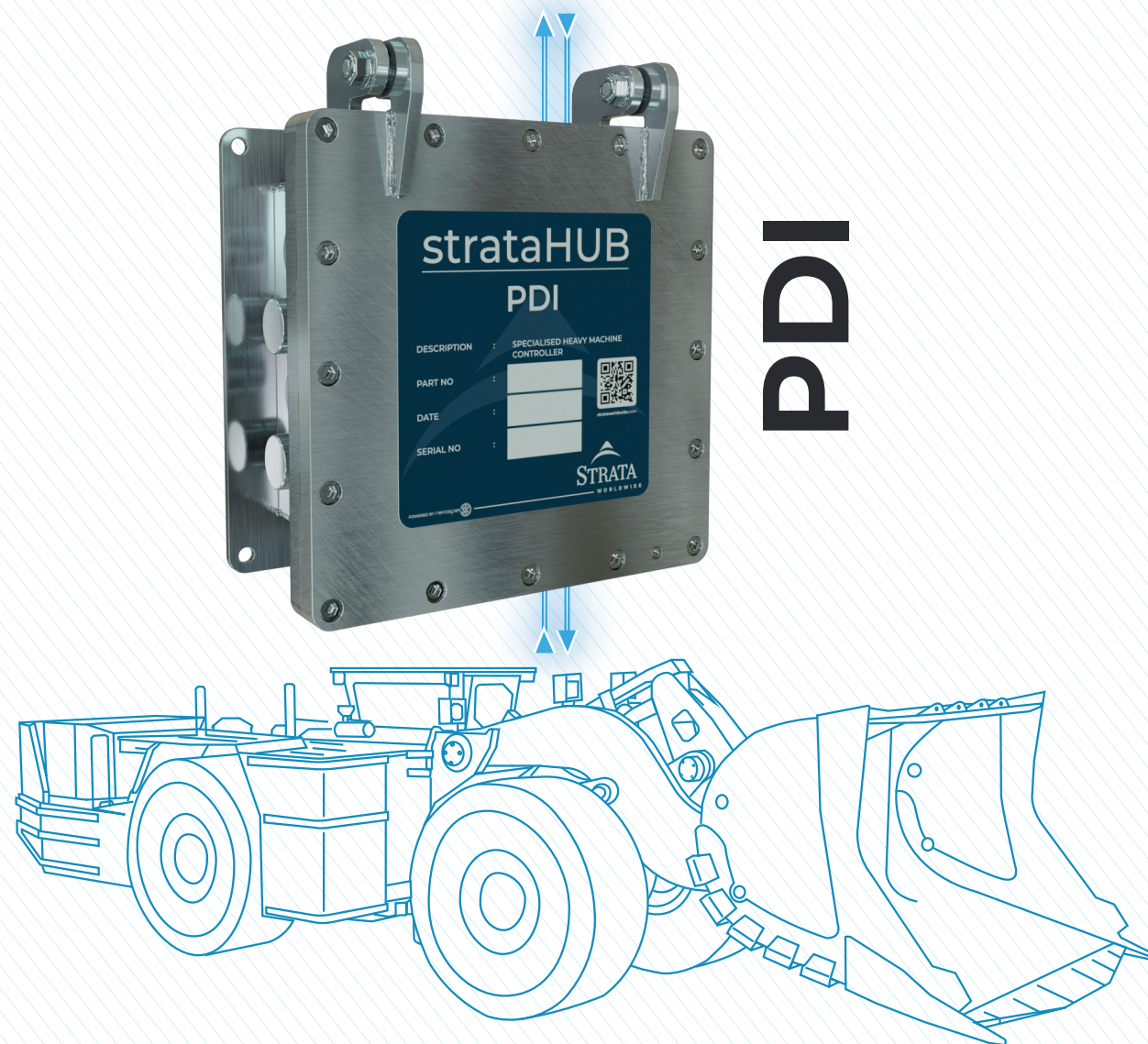
## Universal Vehicular Controllers & Data Loggers

Unlock the benefits of automation, a key driver of a fully connected mine, with the strataHUB Range of universal interfaces, paired with Strata's wide mine-machine product range.

The HUBS provides a universal interface for Trackless Mining Machines (TMM) and Collision Warning Systems (CWS).

It increases productivity and improves mine safety with the intelligent use of CRAWL and STOP processes as well as providing uniform and secure records to promote operational efficiency.

### PROXIMITY DETECTION SYSTEMS



PROXIMITY DETECTION INTERFACE,  
MACHINE CONTROLLER & DATA LOGGER

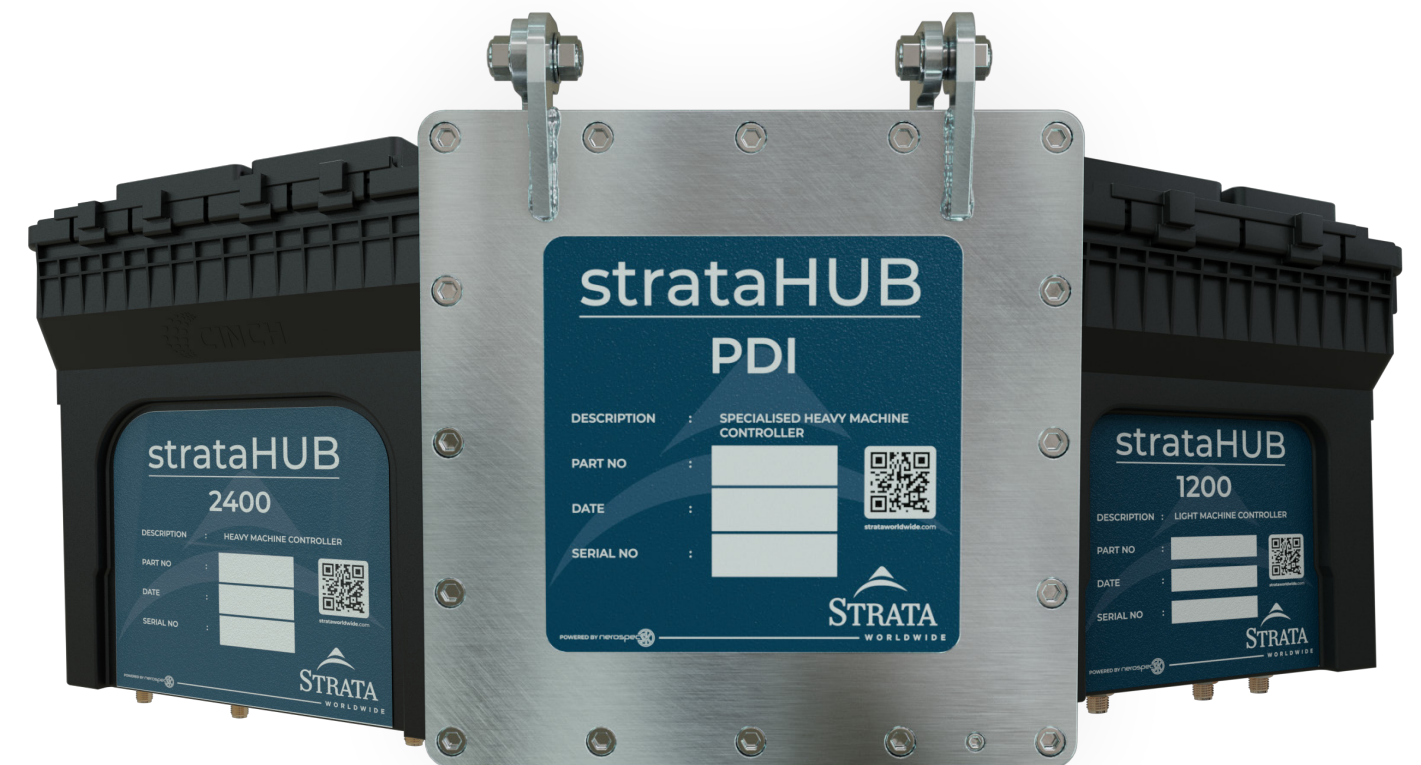
The strataHUB Range is a central digital hub to monitor and control mechanical, hydraulic and pneumatic components, as well as engine, transmission and other utilities commonly found on mining machines.

## Purpose Built Vendor Agnostic Controller

The strataHUB range is not simply a range of automotive PLC's.

They are designed and built with purpose that integrates everything necessary for mining machine control, monitoring and reporting into a single small form-factor universal, vendor agnostic (not tied to any specific OEM) unit.

The strataHUB range provides a level of functionality and utility which far exceeds that of comparatively priced PLC's.



Deep Memory  
Logging



Rugged Mine Tolerant  
Construction



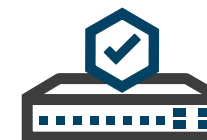
Fail to Safe Design



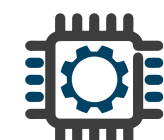
-20°C to +125°C  
Auto Monitoring



Multiport Radio  
Interface



Black Box  
Recorder



Configurable Auto  
Electrical Interface



High Feature  
Density (Value)



# THE strataHUB RANGE

The strataHUB Range is designed to be a ruggedized multipurpose surface vehicular controller, data communications hub and black box data recorder. The strataHUB range provides a universal interface for Trackless Mining Machines (TMM) and Collision Warning Systems (CWS). It increases productivity and improves mine safety with the intelligent use of CRAWL and STOP processes as well as providing uniform and secure records to promote operational efficiency.



## strataHUB 1200

- Rugged IP 67 Enclosure
- Dual CAN Bus Logging
- 3x Power Valve Actuator Channels
- 12 bit Analog to Digital Resolution
- Real Time Clock Logging
- Half Priced Compared to neroHUB
- WiFi & GPS Radios Standard



## strataHUB 2400

- Rugged IP 67 Enclosure
- 5x Power Valve Actuator Channels
- 2 Years Unattended Logging Capability
- 24 bit Analog to Digital Resolution
- Real Time Clock Logging
- Core ARM3 Embedded CPU Power
- WiFi, Bluetooth and GPS Radios Standard

\* LoRa Optional Extra



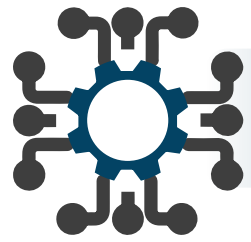
## StrataHUB PDI

- AC or DC Powered
- Open Frame Design
- Wide Input Voltage Range
- 5x NAMUR Sensor Lines
- 5x Power Valve Actuator Channels
- 5x Signalling Outputs
- 2 Years Unattended Logging Capability
- 24 bit Analog to Digital Resolution
- Real Time Clock Logging
- Core ARM3 Embedded CPU power
- WiFi and GPS Radios standard
- Intrinsically Safe

\* LoRa Optional Extra

# strataHUB RANGE

Possible Features Facilitated by the HUB Range



## MONITORING



Black Box Recorder



Tire Pressure Monitoring



Transmission Monitoring & Protection



Temperature Monitoring



Pressures



Brake Wear Monitoring



Engine Monitoring & Protection



Operational Exposure Monitoring



Fluid Levels



Flow Rates



## SAFETY



CAS/TMM Level 9 Interface



Speed-Brake Interlock



Machine Functional Safety System



Fire Suppression Interface



Driver Access Control



Automatic Self Test



## PRODUCTIVITY



Tonnage Reporting



Movement Reporting



Digital Operator Checklists



Runtime / Utilization



Production / Trip Count Monitoring



Production Reporting



Dispatch Messaging



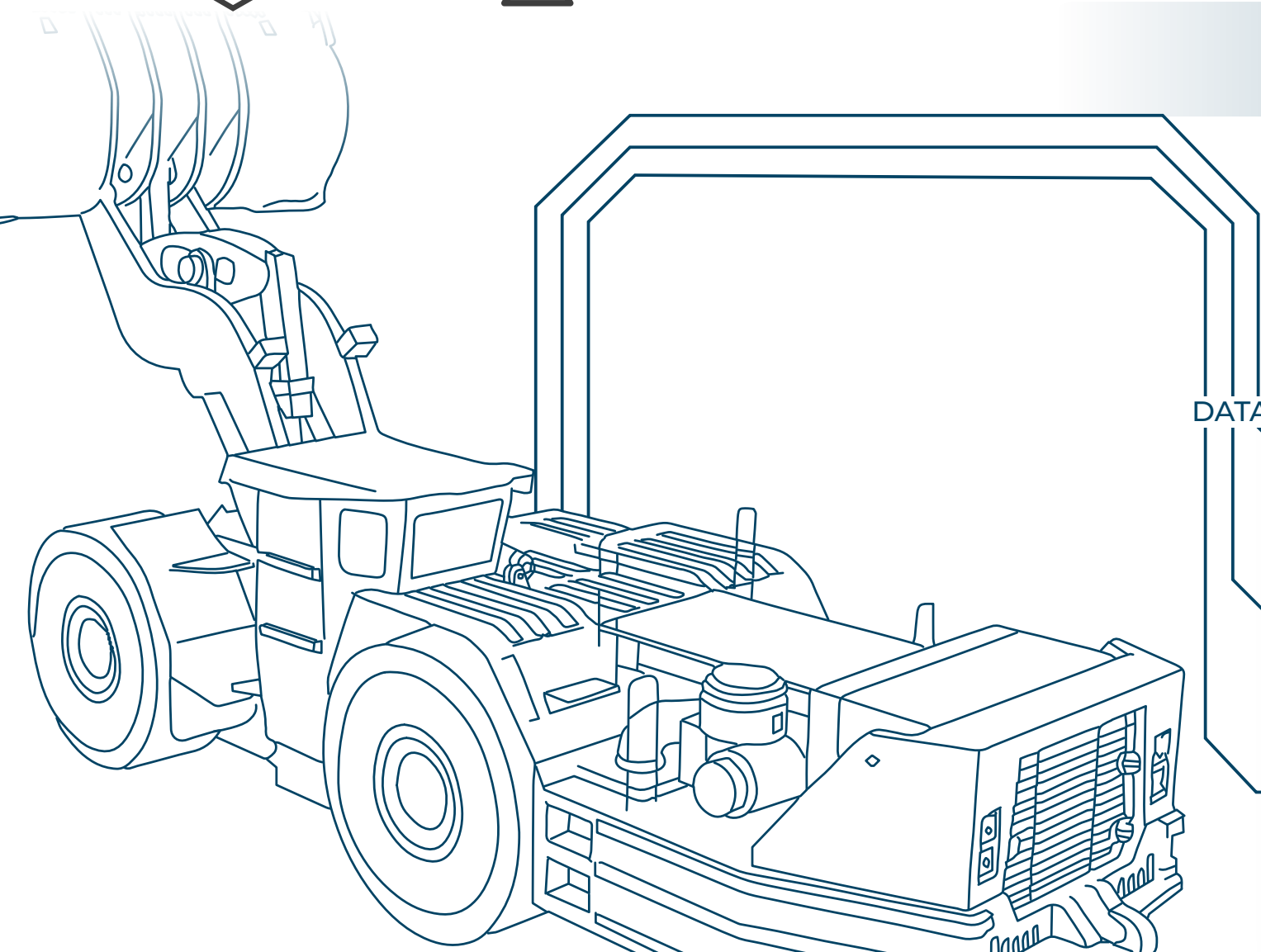
## COMMUNICATION



Vehicle Area Network (VAN)



Wireless Communications Router



### UNDERGROUND

FULL COVERAGE  
**REAL-TIME SOLUTION**

PARTIAL COVERAGE  
**OPPORTUNISTIC SOLUTION**

DIRECT LINK  
**MACHINE SIDE INFRASTRUCTURELESS SOLUTION**

### SURFACE

WIRELESS ACCESS POINT

DATA BRIEFCASE

SERVER



# GLOBAL MINING, TUNNELING AND MARITIME

**DRIVING  
HIGHER SAFETY  
FOR WORKERS  
EVERYDAY**



Strata's mission is unwavering: provide advanced products and technologies designed to keep working environments in mining, tunneling, and maritime industries both safe and productive.

As a provider of solutions that enhance and sustain underground connectivity, promote worker safety, and drive daily productivity, Strata Worldwide stands alongside you in your operation.

Behind every product and every system is a company with 30 years of experience and a team of skilled professionals ready to support your goals.

**A COMPANY OF  
ADVANCED  
TECHNOLOGIES  
FOR SAFETY,  
CONNECTIVITY  
AND SUPPORT**

## CONTACT



**GIVE US A CALL!**



[info@strataworldwide.com](mailto:info@strataworldwide.com)



770-321-2500



Strata Products Worldwide, LLC  
8800 Roswell Road Suite 145  
Sandy Springs, GA 30350