

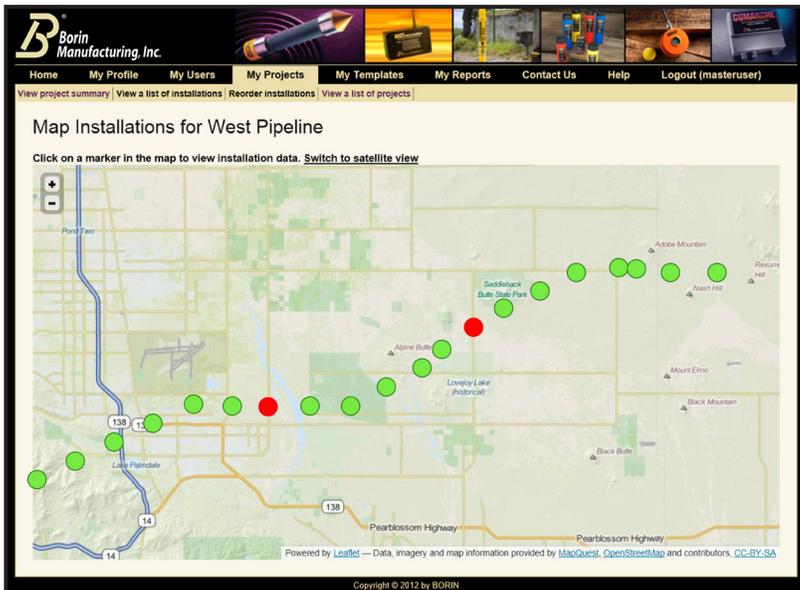


REMOTE MONITORING FOR TEST POINTS

The **Dart® RMCS** automatically **monitors** digital and analog functions and processes associated with the oil and gas industries, which include but are not limited to Cathodic protection systems.

PROVEN EXPERIENCE

- The **Dart® Remote Monitoring and Control Systems** have been in service for the Corrosion Industry since 1992. This translates into the **most far-reaching experience in the corrosion industry** than any other system on the market.
- The **Dart® RMCS** has **proven its reliability** working for decades throughout five continents, withstanding extreme weather conditions from deserts in the Middle East to high humidity jungles in South America and extreme cold weather conditions in northern Europe.
- Any of the **Dart®** Remote Monitoring Unit models can be accessed through the **BORIN® Data Center**.



USER INTERFACE

- The **BORIN® Data Center** software interface allows you to manage your whole system **from one single screen**.
- Imagine a map of your facility or pipeline system in your computer screen; now you can retrieve the output of your rectifier by clicking on the location of your rectifier.
- The computer user interface is **intuitive and easy to navigate** at any user level.
- Your Cathodic Protection system can be accessed from **any authorized computer within the network**.

APPLICATIONS

- Reference electrodes
- IR Free reference electrodes
- Resistance bonding points
- Monitor casing to carrier shorts
- DC drainage
- DC Current/Current density
- AC Current/Current density
- Instant Off potential readings
- Pipeline Integrity
- Native Potential

EXPANSION CAPACITY

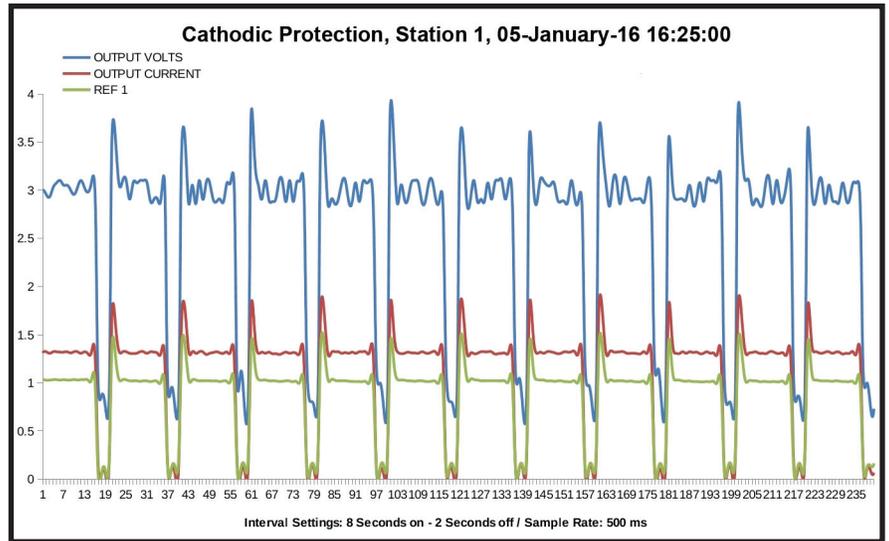
- The system is expandable to monitor and control from a simple 2 channel test station to **thousands of channels**, working in harmony seamlessly using a single communication port.
- **2 GB** Capacity Data-logger.

DATA INTEGRITY

- Data transmission is protected by a **sophisticated encryption system** that ensures that the information will be safe and exactly the same at the transmitter and at the receiver.
- All the information is downloaded and stored in a data center and **cannot be altered**.
- You can always access historical data for **diagnosis** and **analysis**.
- Four password protected **user levels**.

DATA ANALYSIS

- You can **export reports and graphics** into virtually any format or software such as Excel, PDF, JPEG, et cetera.
- Instant off potential** readings presented in graphics for easy analysis.



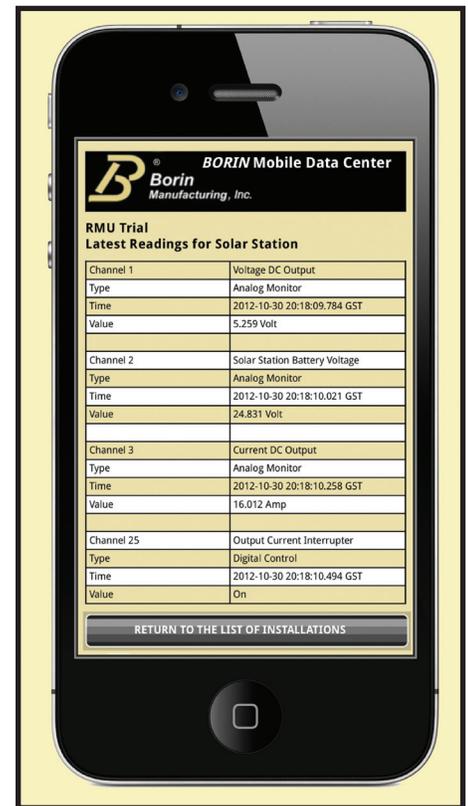
COMMUNICATION FORMATS

- Information is transmitted from the field to a data center and vice versa through **ANY communication system** available: GSM cellular network, satellite, fiber optic, radio, microwave, SCADA, MODBUS, et cetera — all communication systems working together seamlessly.
- Smart phone** optimized web access to get your readings while in the field.
- Complete alarm system with **text message and e-mail** capabilities.

DART® GSM or Satellite Module

- Multipurpose remote monitoring unit capable of functioning as a stand alone data logger for a CP test station for **“on” and “off” pipe to soil potential** readings.
- Other uses include: monitoring critical bonds, depolarization plot, check for dynamic **stray currents** and AC current density analysis.
- Powered by replaceable **long life battery** for 10 year life under normal operating conditions.
- Cellular GSM** or **Satellite** Communication, or any other communication system available.
- Operating temperature: -40° Celsius to +85° Celsius (-40° Fahrenheit to +185° Fahrenheit).
- Humidity: 0 to 95%.
- Dimensions: Fits inside top hat style **Bullet® Box** test station.
- Each standard 3 channel module can be **pre-configured** with the following channels:

Analog Monitoring	8 channels	-10 to +10 VDC	for pipe to soil potential for reference cell and structure 1
	Configurable	-10 to +10 VDC	IR Free coupon potential or for reference cell and structure 2
		0-20 VAC	for induced current
Digital Control	1 channel	Relay for On-Off potential	



FACILITIES AND TECHNICAL SUPPORT

- Technical support is available **24/7 365 days** a year.

