PEDRONEL ONE

One-Way Data Transfer.
Entirely Secure. Unlimited Tags.

Learn more

Cybersecurity Perimeter Established Out of a Box

Block Threats

Stop unauthorised connections and eliminate cyber threats.

Data Diode

One-way communication via data diode that defines a secure perimeter by isolating OT from IT zones.

Any Location

Your data will travel securely from the Power Station to an offsite location in the world.

Keep Control

Eliminate the risk of hackers taking control of your Power Plant.

Revolutionary Historian

That allows for slick data visualisation, transfer of unlimited tags and mobile notifications.
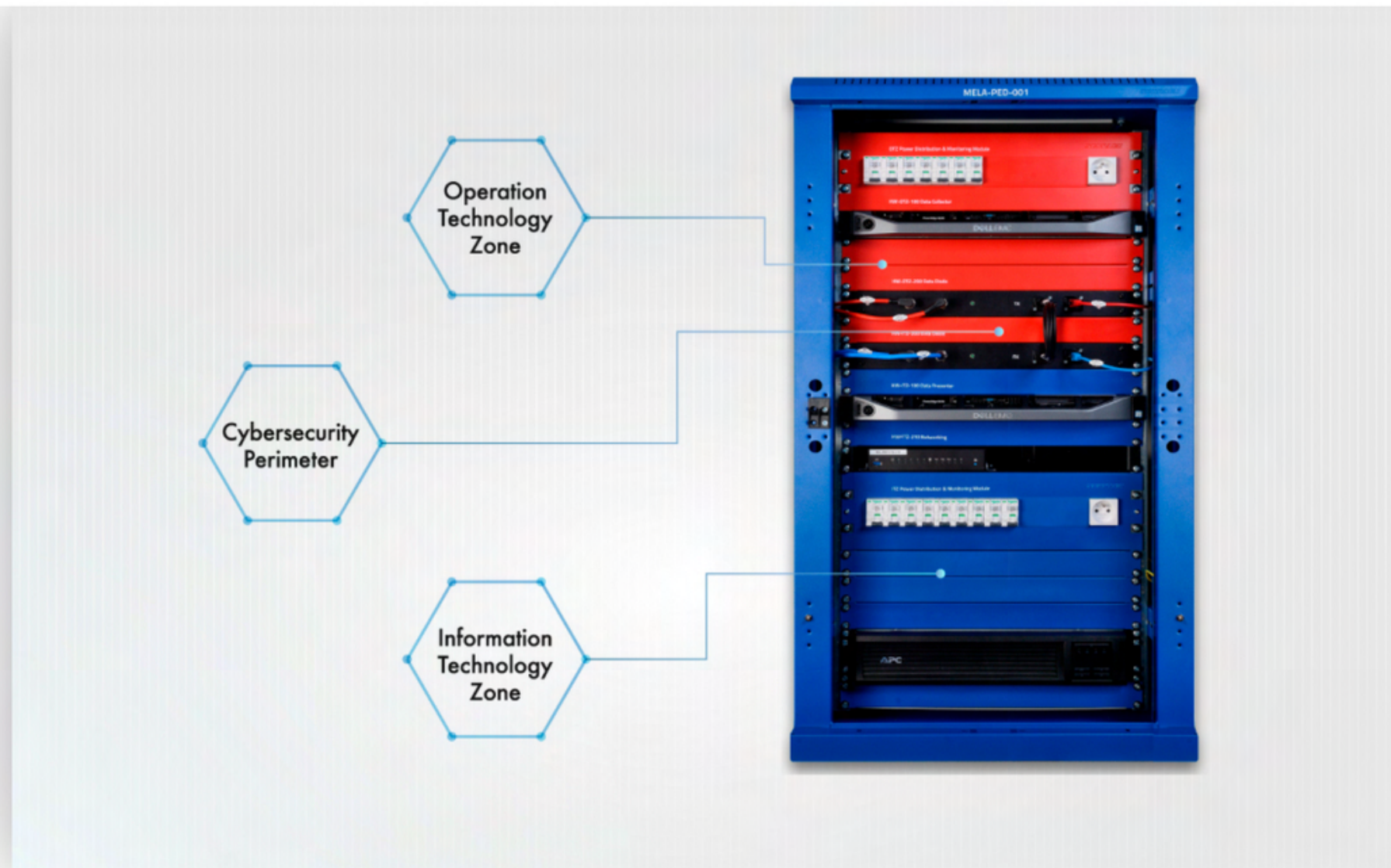
Save Money

With a one- time fee and keep competitive on the grid. We dare to find solutions where others don't venture.

Unlimited Tags Included

Unlock the power of a Historian like you've never seen before

Our disruptive model gives you all of the process data points you need without restrictions.

Cybersecurity

Connecting any strategic infrastructure to the Internet makes it vulnerable to security threats.

PEDRONEL ONE enhances cybersecurity by:

- Defining a secure perimeter by isolating OT from IT zones
- Providing a strict one-way communication from the Power Plant to a designated location
- Making it physically impossible to get unauthorised connections
- Using strict and controlled access to the system via Active Directory authentication
- Eliminating the risk of hackers taking control of the Power Plant

We have compiled the main activities for creating a secure environment on the Cybersecurity Handbook.

Specifications

PEDRONEL ONE supports protocols like Siemens TXP/T2000, Siemens T3000, Various ABB Systems, Alspa, GE, OPC DA; OPC UA, Modbus, IEC 104 and many more.

PEDRONEL ONE establishes the cybersecurity perimeter out of a single box with key components:

- Data collection device
- Transmitting & Receiving data diode
- Data presentation device
- Revolutionary Historian with access to unlimited data points
- Similar to SCADA system: gathers, archives, monitors & visualises data
- Mobile notifications to stay informed about changes on status

Out of the Box

PEDRONEL ONE makes your power plant data accessible in a safe and modern way so it can be visualised, analysed and presented in a digestible format.

We have created this out of the box solution for an installation without the headaches. Included in the box are:
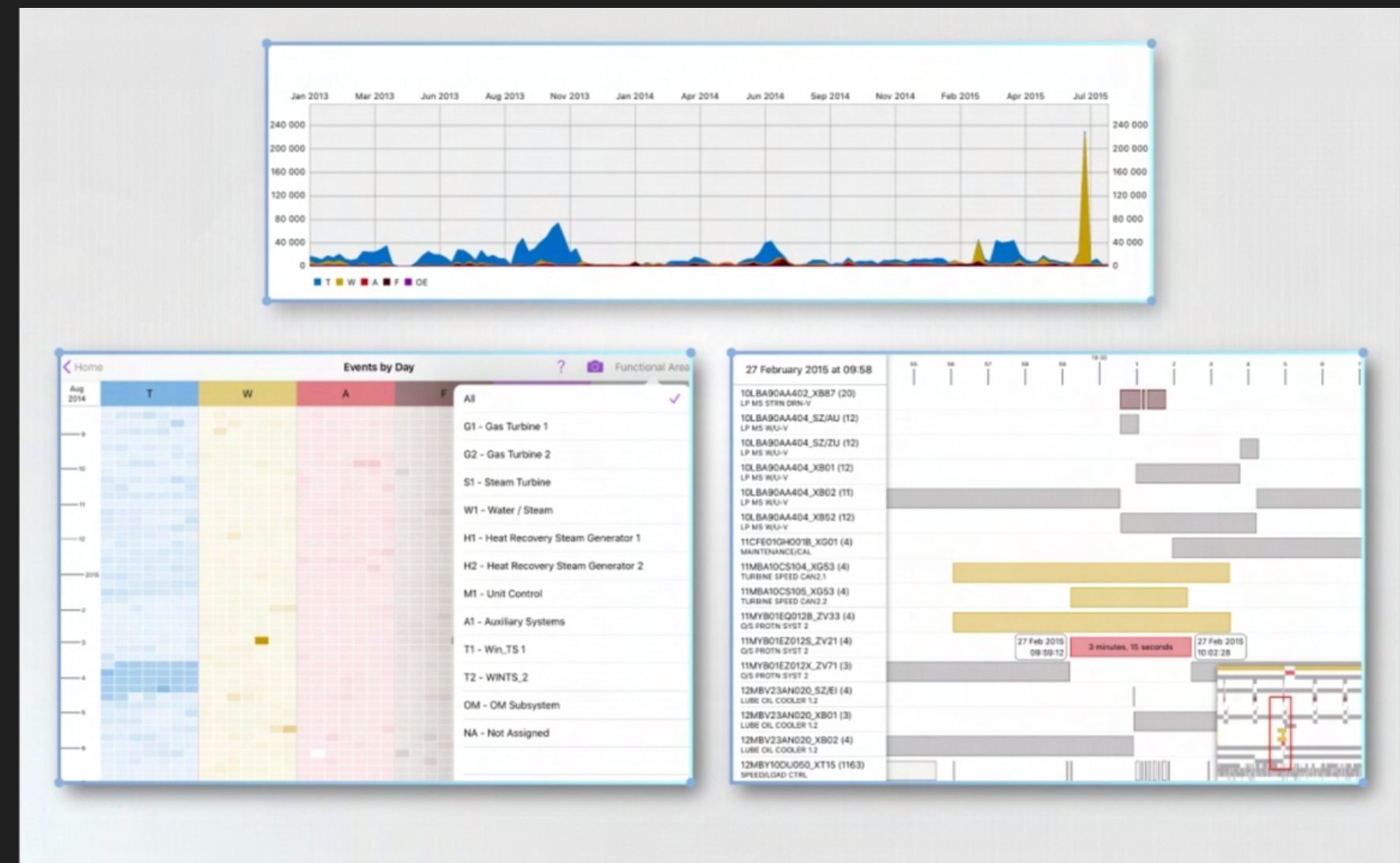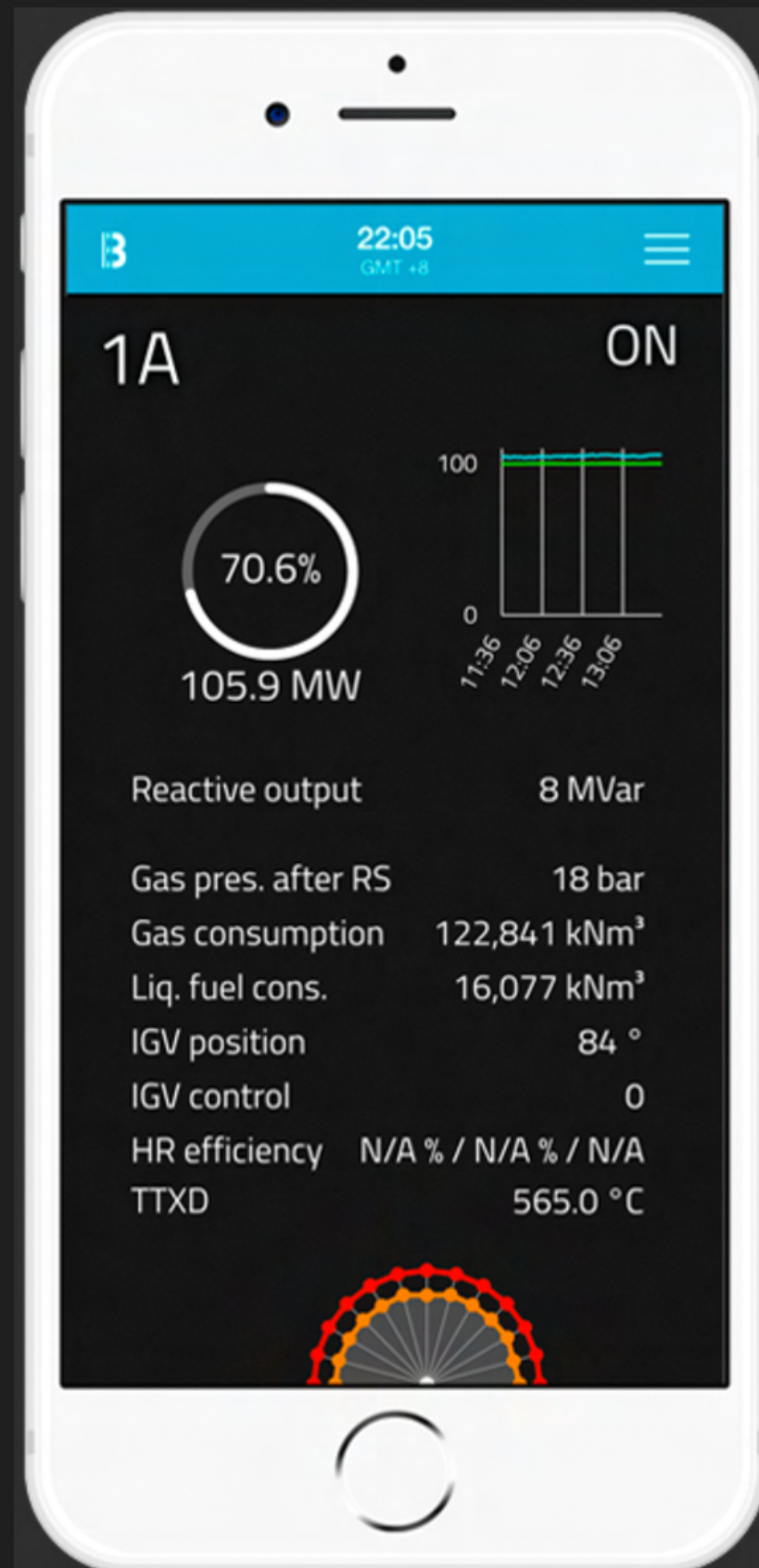
- Protection for data transmission against cyber threats

- Mobile notifications to stay on top of what's going on in your Power Plant

- Revolutionary Historian to search your entire archive in seconds

- Modern interface that works across devices

- Unlimited data points included, no more tag restrictions

- Web based applications that don't require software installation

- Disruptive payment model with a one-time fee, allowing you to save money without compromising on expertise
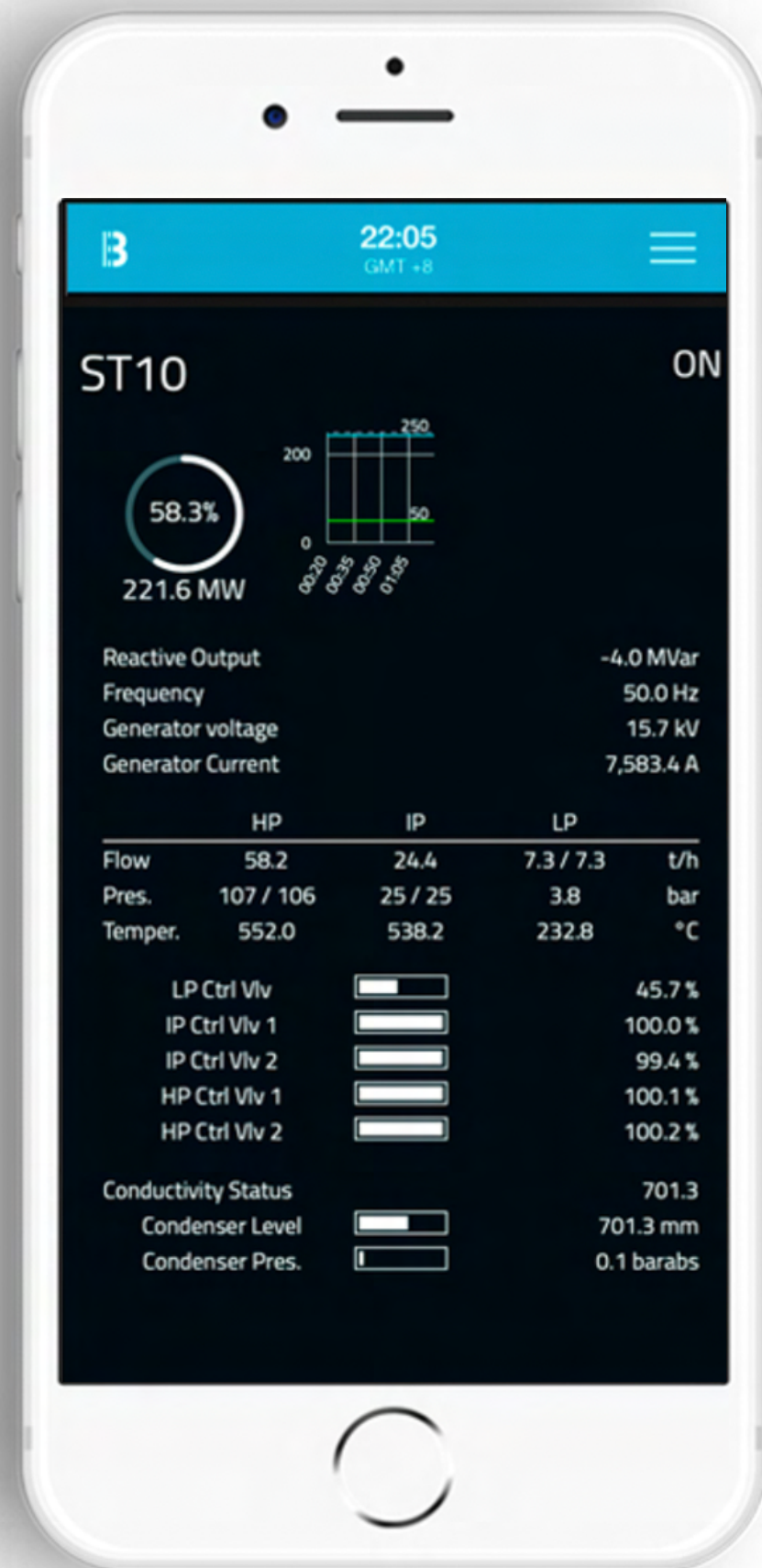
A Historian like you've never seen before

Our revolutionary Historian goes beyond data storage, management, reporting and analysis. With state-of-the-art dashboards you get much more than raw data, you get information.

Gain a full view of your power plant with less effort, providing actionable insights so you can make better decisions faster.

The web based application allows for a seamless experience across devices: computers, tablets, mobile phones and video walls.

Our Historian provides a modern interface with a perpetual license included and without the need of software installation. Historian App available for download on the App Store.

Unlimited Tags. Yes, Unlimited.

Our disruptive model provides all of the process data points or tags you need. All of the tags are available for you to use at no extra cost, say goodbye to licensing fees for data points.

We dare to find solutions where others don't venture so we have created a unique one-time fee that will save you money without compromising on expertise.

Choose Us to Stay Competitive on the Grid

At Bohemia Market, we provide comprehensive engineering services for customers around the world. From upgrade of HMI systems to design and delivery of sophisticated Remote Monitoring Centres. We cover the whole spectrum to give you the competitive edge on the grid.

With more than 20 years of experience, we have earned the trust of visionaries in the Power Generation Industry worldwide because we dare to find solutions where others don't venture.