

Mastering Interfaces between
#Humans
#Systems
#Connected Things



NEWS RELEASE

PcVue 12

OPEN, SECURE AND MOBILE PLATFORM



ARC Informatique has been developing and marketing industrial software for over **35 years**.

ARC Informatique is the PcVue Solutions SCADA editor, offering software, hardware and application support as a global service to several markets.

The open, scalable, software platform of PcVue Solutions delivers full control and connectivity, implementing a large variety of built-in drivers including IEC 61850 certified by KEMA (now DNV-GL), BACnet BTL listed, LonWorks, KNX, OPC and a rich graphical interface. PcVueSolutions offers an advanced alarms and events logging system as well as reporting capabilities.

Thousands of sites are monitored and controlled by PcVue Solutions in several vertical markets such as BMS, Energy, Water, Transportation, Infrastructures, Oil & Gaz, Industry.

Both ISO 9001 and ISO 14001 certified, the company maintains an international presence through direct sales offices in the US, Europe, Asia and Latin America and relies on its partner network to guarantee exceptional service, domain expertise and product satisfaction.

PcVue Solutions, your independent global SCADA provider

A global player with a local approach

- 15 strategic bases
- 50+ VAR worldwide
- 200+ local SI partners

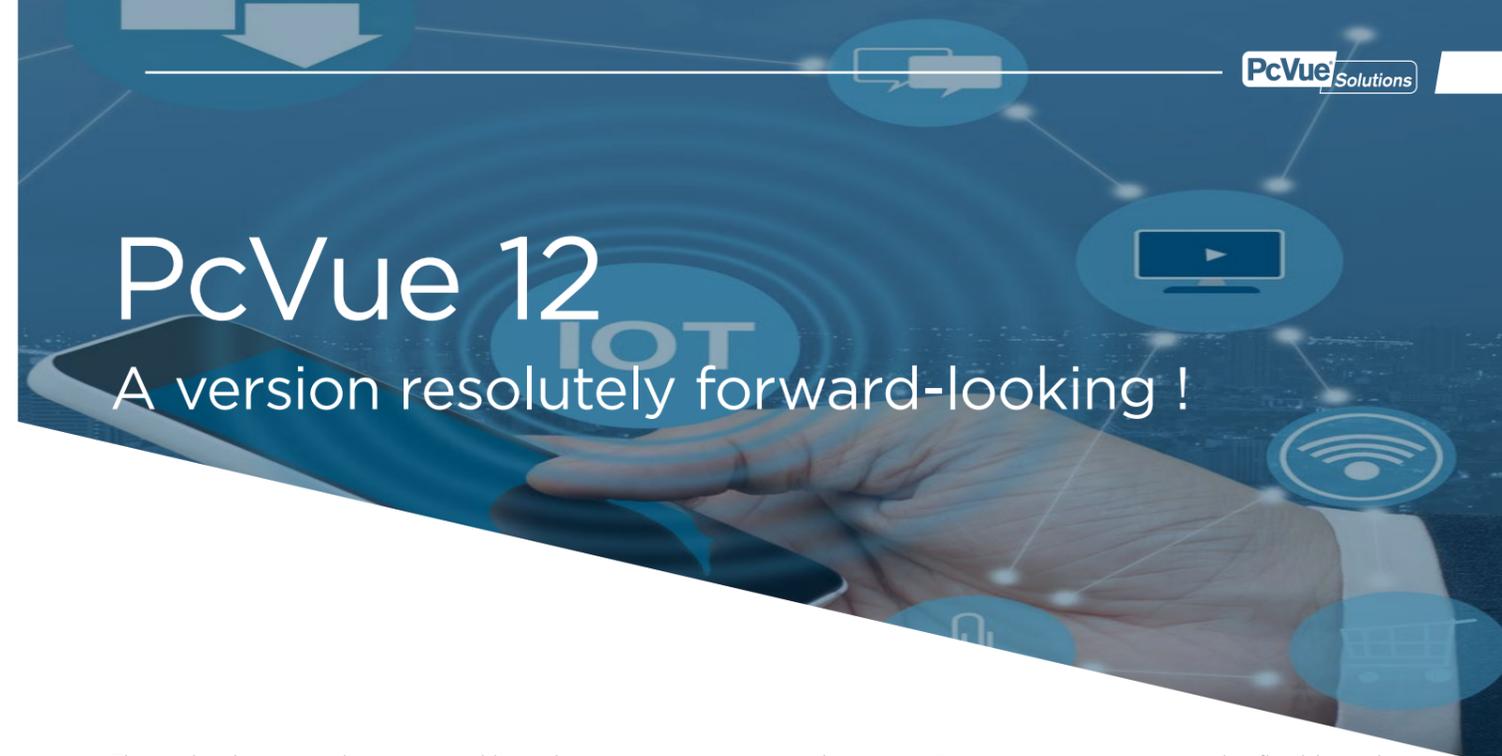


A customer-oriented mindset

Listen to and answer our customers
Develop and adapt our solutions via R&D
Responsive technical support

Continuous quality improvement

- ISO 9001 & ISO 14001 certified
- Microsoft certified partner
- OPC foundation member
- Member of the BACnet™ Interest Group
- LonMark® International member
- LonMark® France member
- IEC 61850 DNV-GL Certified
- BACnet™ Advanced Workstation BTL Listed



PcVue 12

A version resolutely forward-looking !

The technologies evolve very quickly and impose a permanent adaptation. Supervisory systems must be flexible and open to integrate the technologies of the future. PcVue 12 combines experience and innovation to offer modern and adapted solutions.

Renewed Web & Mobile Platform

Today's supervision is mobile and connected and relies on IT infrastructure. This OT/IT convergence requires a platform adapted to meet security constraints in particular.

PcVue 12 features a new web & mobile platform with a high level of security (https,Oauth), and user experience (HTML5). The exclusive EasyMobileTechnology ensures high performances, easy configuration and deployment for any kind of users.

The EasyMobileTechnology specifically developed for PcVue ensures a fast, easy and secure deployment and configuration.

New IoT solution

The proliferation of connected objects and cloud platforms opens new opportunities for systems but also generates a lot of data that needs to be converted into information relevant to the operators.

PcVue 12 integrates an IoT LoRaWan protocol to retrieve data from connected objects.

New universal connector for an infinite interoperability

Interoperability and openness are essential for interconnecting systems increasingly complex.

PcVue 12 has a built-in Universal Data Connector to exchange with many data sources: RDBMS, ERP, MES, CMMS, Social networks, REST services, files, ...

Web & Mobile Platform Lighter. Faster. Better.

WebVue 12 - Web HTML5 Client

Supervision of installations via a thin client is essential and must be efficient, simple and secure.

WebVue 12 is a built-in HTML5 web client that relies on the latest technologies offering a cost-effective solution combining ergonomics, security and ease of implementation.

USER ORIENTED

For end user, IT specialist or system integrator, WebVue is designed to fit any user need from regular to very advanced.



- UX for better efficiency: seamless and smooth Interfaces
- Ability to monitor multiple mimics concurrently in multiple web browser tabs
- Zoom & pan
- Cross platforms



- Easy to configure and to deploy with the EasyMobile Technology
- Multi-user capacity
- Scalable & open to third-party application or portals
- Transparent license model



- Secure architectures (DMZ, certificates) and communication (HTTPS)



AT A GLANCE

- ✓ Monitor & control your PcVue process from a web browser with any device
- ✓ Mimics, alarm lists & acknowledgment, event logs, real time and historical trends
- ✓ Webservices toolkit available to create your own custom web interface

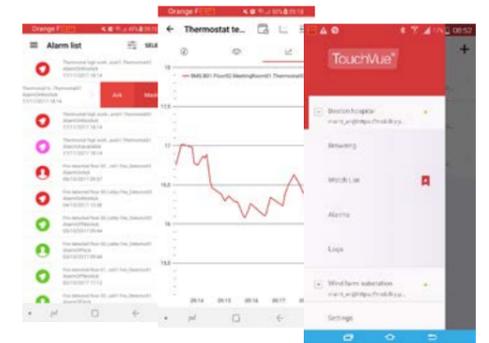


TouchVue 12 - The mobile app for immediate action

A reworked interface for better user experience and optimized performance

FEATURES

- ✓ Access the data from several sites
- ✓ New user interface
- ✓ Real-time information and notifications (alarms, values, trends) for immediate action (acknowledgments or control values)
- ✓ Archived data (events logs, historical trends)
- ✓ Data filter depending on user profiles
- ✓ Watchlist for favorite variables to watch



EasyMobileTechnology

The deployment made easy

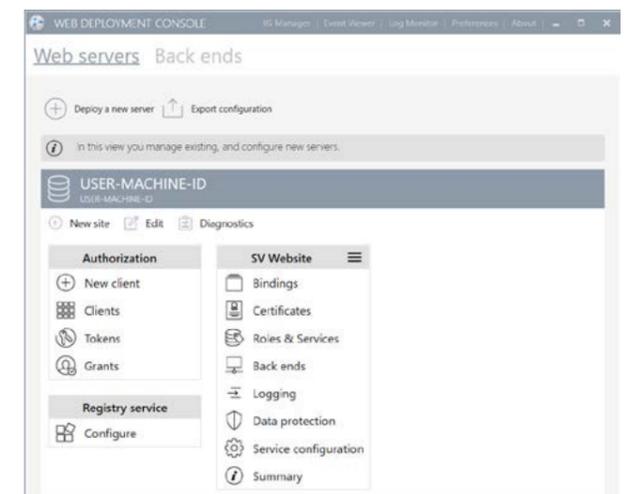
The **EasyMobileTechnology** ensures a fast, easy and secure configuration & deployment



- ✓ No gateway, no extra plugin
- ✓ HTML5
- ✓ No client installation
- ✓ Easy configuration - no script - Wizard only
- ✓ Adapted to any user: End-user, SI, IT
- ✓ Secure scalable architectures and communications
- ✓ Easy Diagnostic
- ✓ Affordable solution

FEATURES

- ✓ A web deployment console
- ✓ Deployment of web services and web apps on IIS
- ✓ Data protection management
- ✓ Certificate management
- ✓ Users logging & OAuth server management
- ✓ IIS auditing / diagnosis

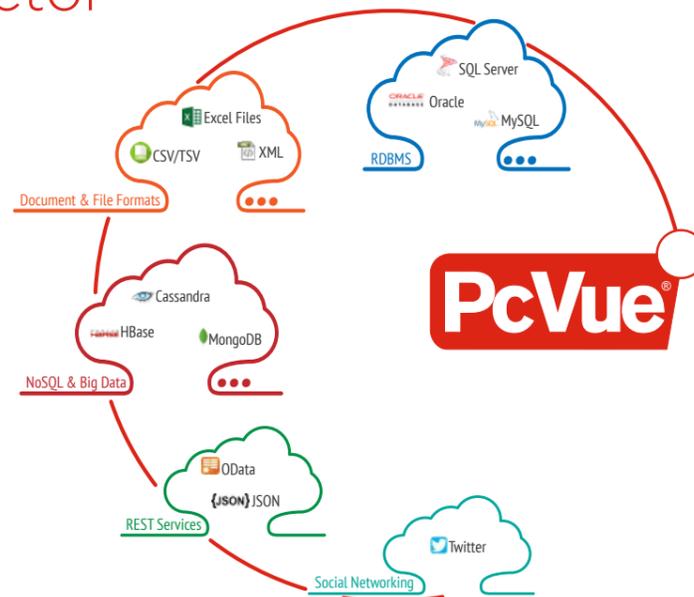


Connectivity Connect [any] Things

Universal Data Connector

A new way to exchange data

PcVue 12 introduces a new Ado.net-based connector allowing to interface with an infinity of data sources thus opening up to DBMS, ERP, MES, CMMS, Big data, REST services, social networks, file,...



- ✓ Request handler for 3rd party on-premise/cloud-based RDBMS
- ✓ Link to ERP, MES, CMMS, Facility Management
- ✓ Facility management
- ✓ Communication to Social Networks
- ✓ Connexion to REST Services

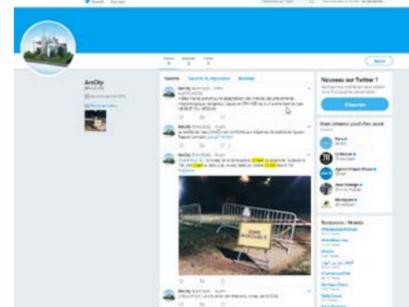
PcVue on social networks!

Publish information from your supervision on the social networks

100% automatic publications?

Yes, PcVue can tweet regularly information linked to a city (water quality, air, ...) or tweet on exceeding the threshold of a measurement (electrical failure, risk of flooding, ...).

PcVue can also go to draw content from a third-party information system (relay the public calendar of the city, publish the schedules of the town hall during the school holidays, indicate pharmacies on duty ...).

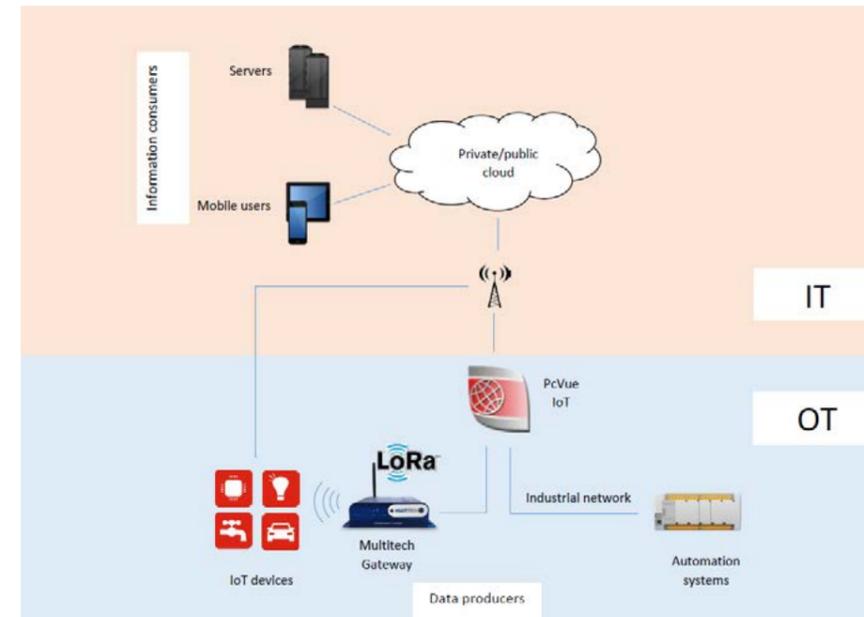


IoT - New driver for LoRa

PcVue connects Objects



- ✓ Easy to deploy architectures : wireless & self powered sensors
- ✓ Objects seamlessly connected to PcVue
- ✓ Support for hybrid solutions with legacy devices and new objects
- ✓ Take advantage of the PcVue data treatment for your IoT



New and updated drivers

Beyond good performances

OPC

- ✓ Fast and easy OPC integration thanks to new Smart generator OPC DA
- ✓ More interoperability with the support for OPC UA

SNMP MANAGER

- ✓ Expanded performances allowing very large amount of data
- ✓ Support for 100 000+ SNMP objects

Vertical markets

Markets need. PcVue Solutions.

BMS

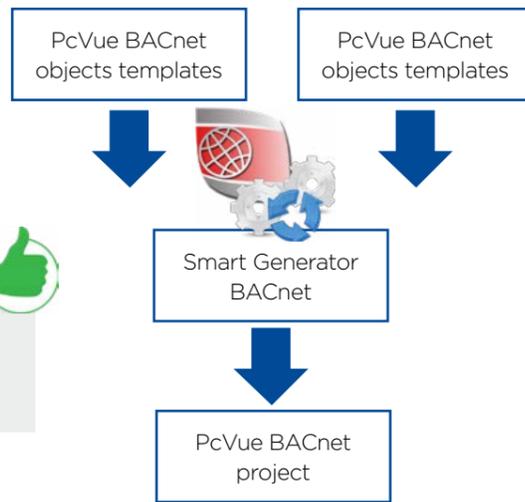
BACnet [R]evolution

BACnet openness, interoperability, performance.

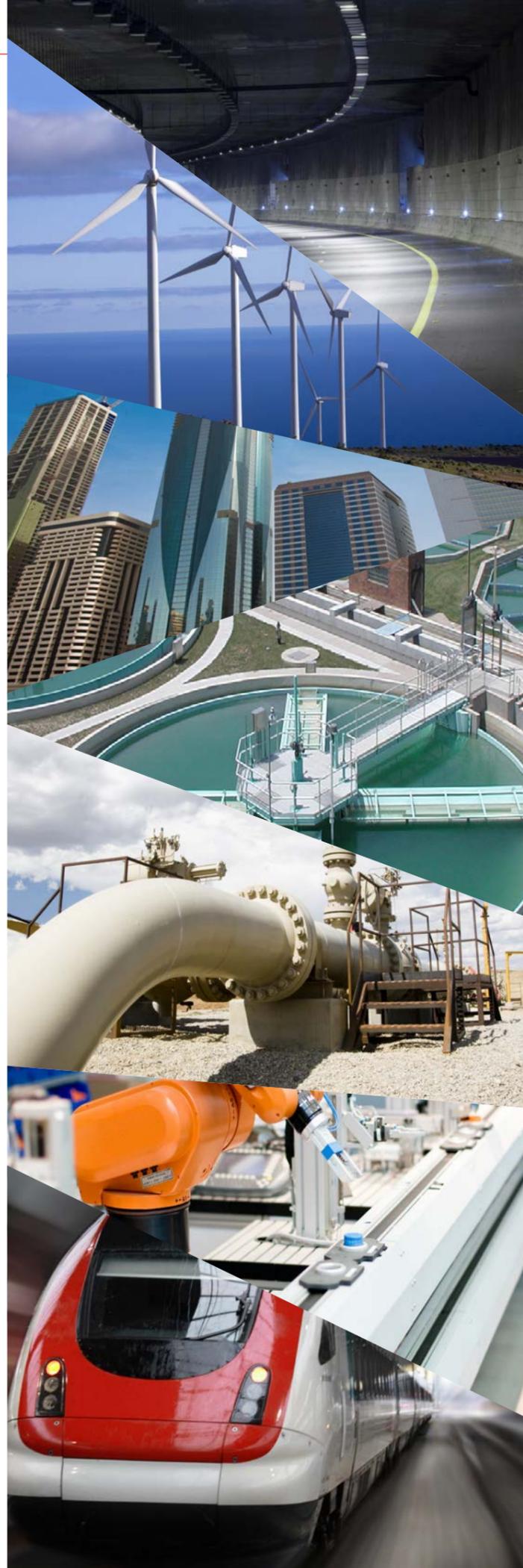
BACnet Smart Generator based on templates

- ✓ Designed to instantiate BACnet objects quickly & easily
- ✓ Customizable templates*

*12.0 update



- ✓ Performance and user experience enhancements
- ✓ More integrated BAS engineering



Substation automation

Energy

Dedicated features

IEC 61850 client driver

- ✓ Additional services support
- ✓ File Transfer
- ✓ Setting Groups

- ✓ Better coverage of SA requirements
- ✓ Integrate PcVue in the substation engineering process



Support for IEC 104 outstation points in Templates

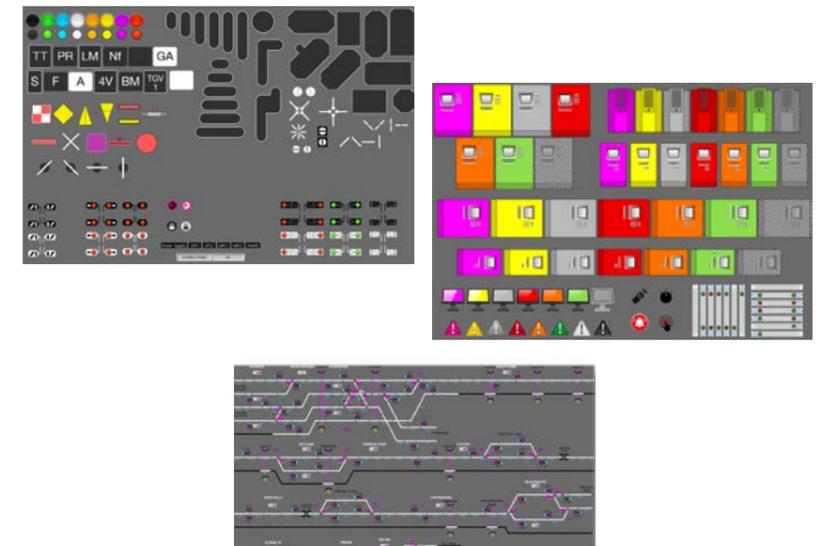
Railways integration

Transportation

Urban, Main lines, Stations

Graphical libraries

- ✓ Railways signalling: Train, metro, tramway
- ✓ Stations equipment: ticketing machines, gates,...



Industry

SIEMENS integration

Smart Generator TIA Portal

Import the elements from a TIA project

- ✓ Variables
- ✓ Communication

Generate your PcVue project

- ✓ Filter imported elements
- ✓ Customization

Synchronize

- ✓ Update the PcVue project on TIA configuration changes

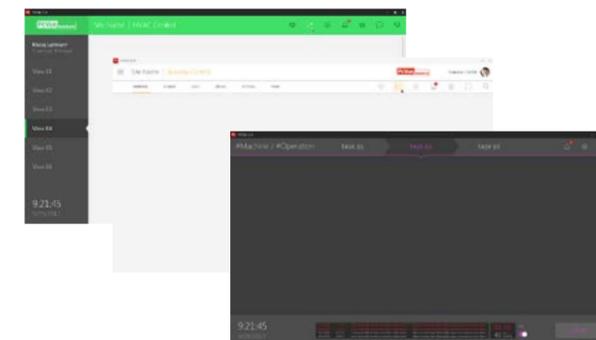
Interface & Configuration

Updated Quickstart project

Your project in few clicks

New project templates that fit latest UI/UX trends

- ✓ 3 new Styles: Industry, Dashboard, Web
- ✓ 2 color themes: day/night
- ✓ 4 highlight colors



Advanced Configuration Environment

Optimize the creation and the maintenance of your project

Application Explorer

- ✓ New configurations
 - timestamp quality labels
 - default associated labels
 - populations
 - function keys
 - line printers
- ✓ Audit of active sessions



Application Architect

- ✓ Support for more data acquisition items: IEC 61850, BACnet
- ✓ Support for archive units, log lists
- ✓ Ability to model and generate application files
- ✓ Excel lookup by expression



File transfer

New ways of exchange

- ✓ Manage files from devices
Configuration file, COMTRADE, COMFEDE ...
- ✓ Implemented services
Browsing, Download, Upload, Delete
- ✓ Support for:
 - IEC 61850
 - DNP3
- ✓ 3 ways to use it
 - User interface in the Application Explorer
 - Scripting via SCADA Basic verbs
 - Background automatic one-way synchronization (aka mirroring)



- ✓ Facilitate exchanges with devices
- ✓ Takes advantage of embedded features of devices



Your Independent Global SCADA Provider

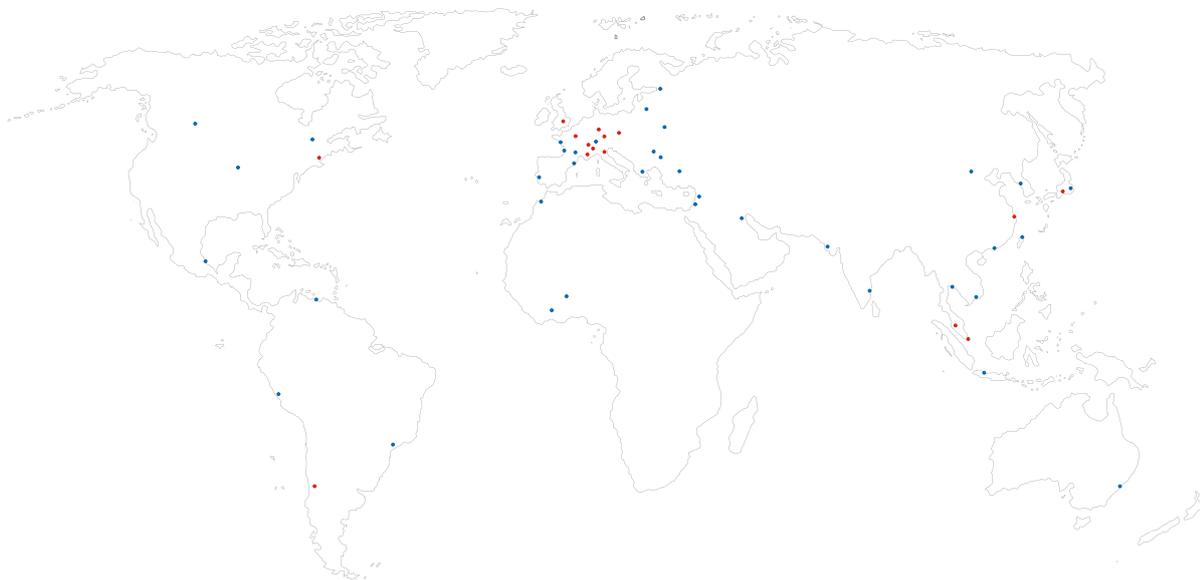


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