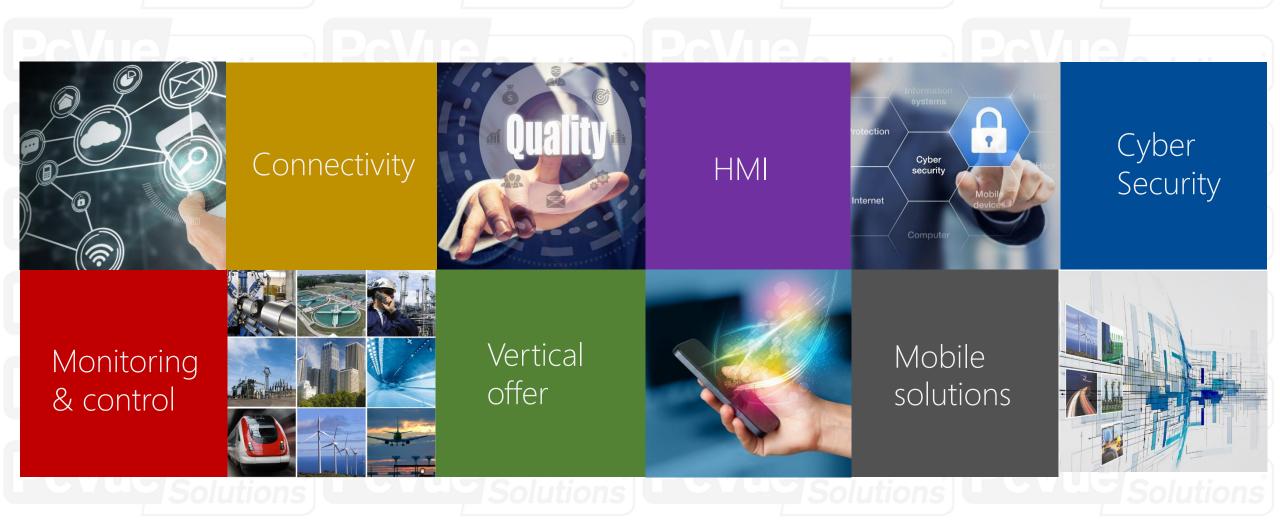


# Innovative software & hardware solutions for monitoring & control



### Facts & Figures

made available in

languages

Versions
of the
product

















Ranked among the Top



of French software companies

## Global player/Local approach



#### Our values

#### Innovative spirit

Put Innovation at the heart of our strategy

#### Open mindset

Connectivity.Interoperability.Openness

#### Continuous quality improvement approach

From the design to the delivery

#### Customer centric philosophy

Listen and find answer to our customers

#### Our solutions

#### Real Time Reporting Software

Collects and exploits data from any data source

Dynamic, real-time generation of reports and automatic distribution

Access and interact with information from many industrial systems •

Active Energy management using SaaS Centralize the energy data

Help to control energy consumption

Identify potential savings



Optimized control over your processes

Secure, powerful and easily maintainable system

Built-in features that meet various market needs



Issues information through various media (Phone, SMS, email, fax, etc.)

Easily connects with PcVue, or other SCADA systems, through a dedicated interface

Cybersecurity - ICS CyberVision

Enable control engineers to detect malicious behaviors and reduce the attack surface

Facilitate incident response by gathering all the information required by Cybersecurity experts

Provide reports to the security officer



SiteVue





**Alert** 

## Our Vertical Business approach...



- Agro-alimentary
- Petrochemicals
- Manufacturing
- Nuclear
- Pharmaceuticals



- Production, processing, distribution of water
- Waste processing



- Nuclear production
- Heat production
- Renewable energy
- Distribution
- Metering

Energy

Industry

## Our Vertical Business approach...



Building management

- Offices buildings
- Data centers
- Industrial facilities
- Hospitals
- Airport, train stations, parking lots
- Malls
- Universities



Infrastructures

- Tunnels
- Bridges
- Airports
- Highways



- Tramways
- Trains
- Subways

Transportation

## A unique service offering

Listen. Answer. Never give up.

Study of specifications

Conception, Functional Analysis, Application Modeling and Test

Installation, Configuration, Virtualization and Network

Assistance during development and on site, Application Audits

Maintenance and Revamping



## Company Partnerships

Microsoft Certified Partner since 2004

OPC Foundation member participating actively at many interop groups





Smart Building Alliance member

Member of the **DNP3 US** user Group















## Company & Product Certification



**ISO 9001 & 14001** for more than 15 years

PcVue is **BACnet BTL** listed as B-AWS







PcVue and its 61850 driver is **DNV-KEMA** Certified

## Our Technologies and Standards





























## Economic gains using PcVue Solutions

Pcvue Solu

PcVue Solu

PcVue<sub>1</sub>

PcVue §

PcVue

**PcVue** 

PcVue.

A modular offer for all kinds of application, affording great capacity for reuse without further investment

Reduction of maintenance costs thanks to high compatibility between versions

**PcVueSolutions** 

A handy graphic interface for reducing the users' training time

Reduction of development costs thanks to the object-based approach

### Risk Reduction using PcVue Solutions

PcVue Solu

PcVue Solu

PcVue Sol

PcVue<sub>s</sub>

PcVue <u>j</u>

PcVue So

PcVue

Multi-vendor, built-in communication drivers that are proven and optimized

Open system for integrating future software components

**PcVueSolutions** 

35 years of experience in SCADA

ISO 9001
certification company
and 100% focused on
SCADA business

#### They trust in PcVue Solutions







































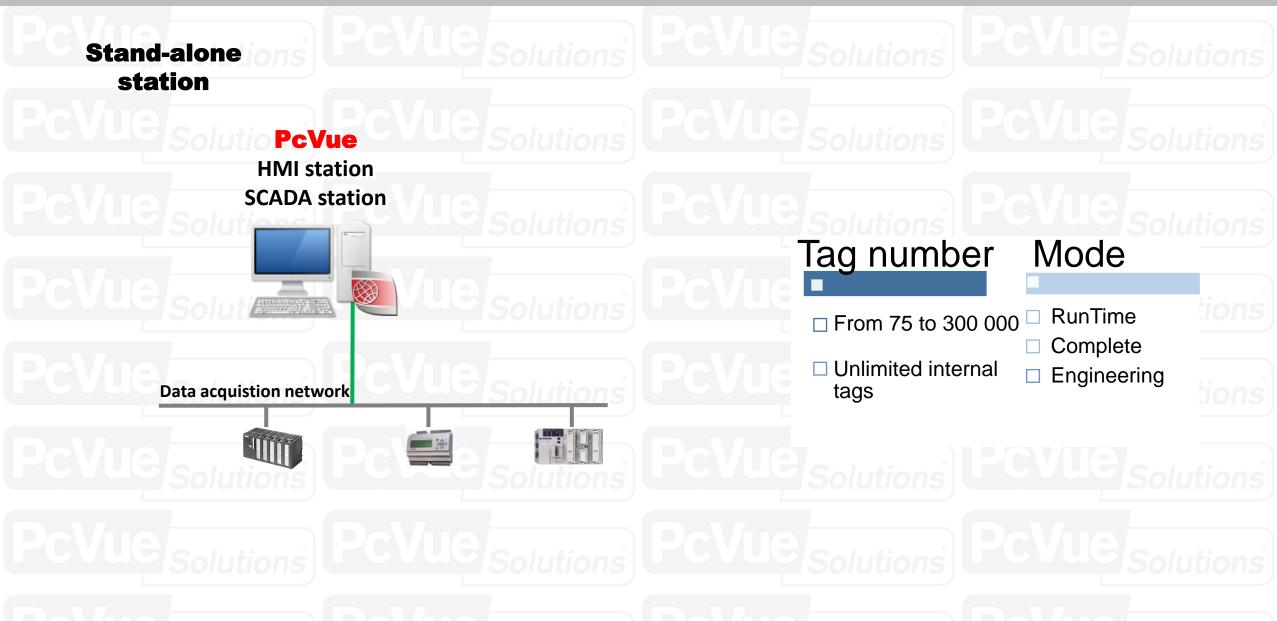


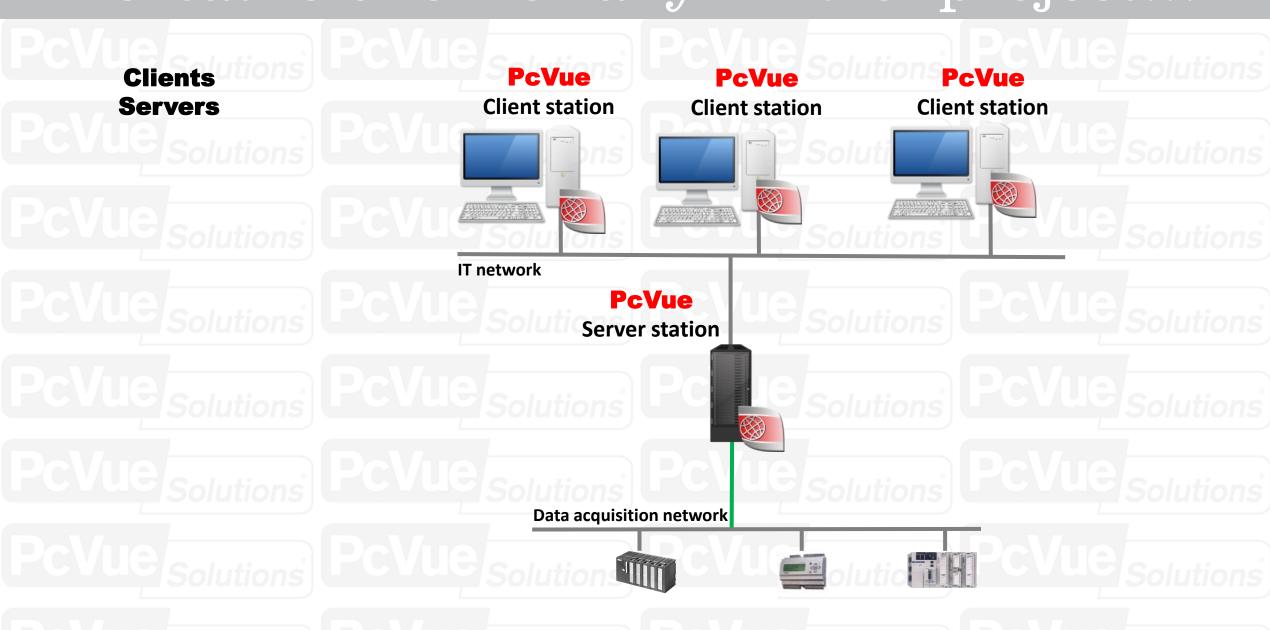


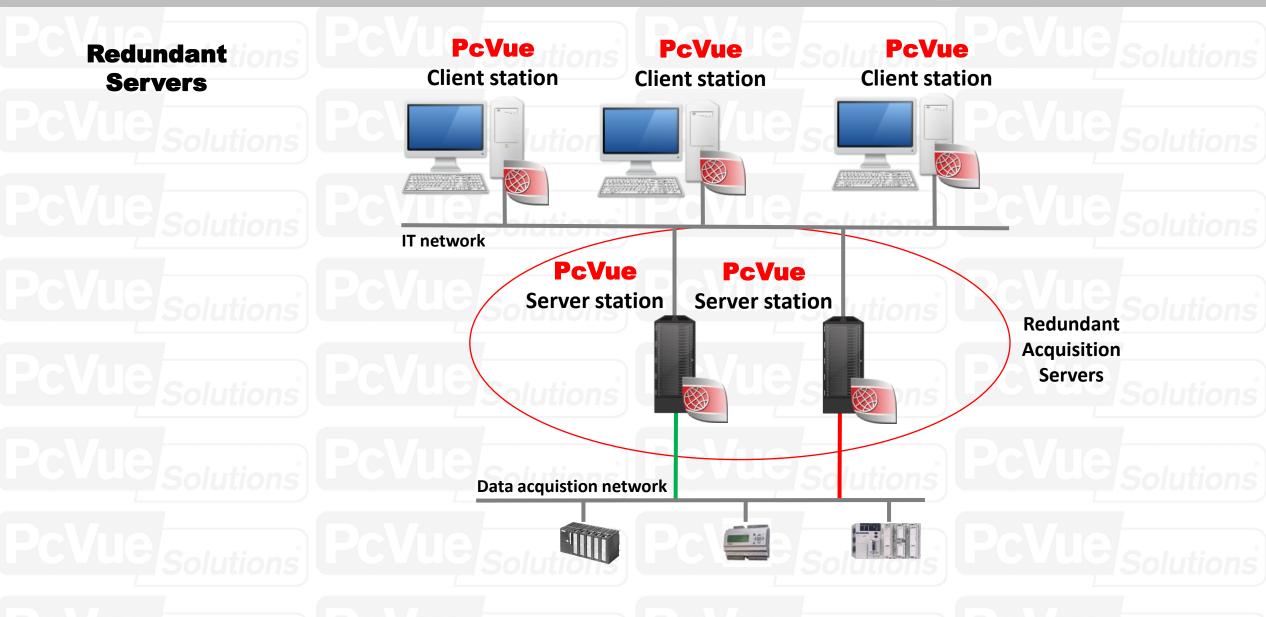


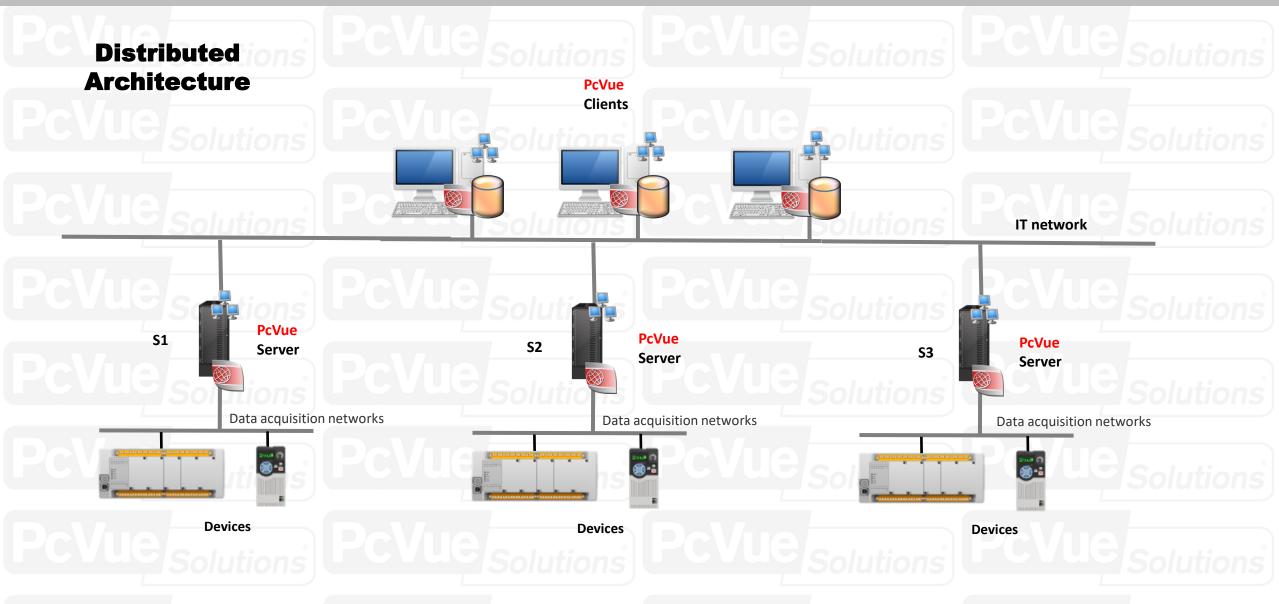


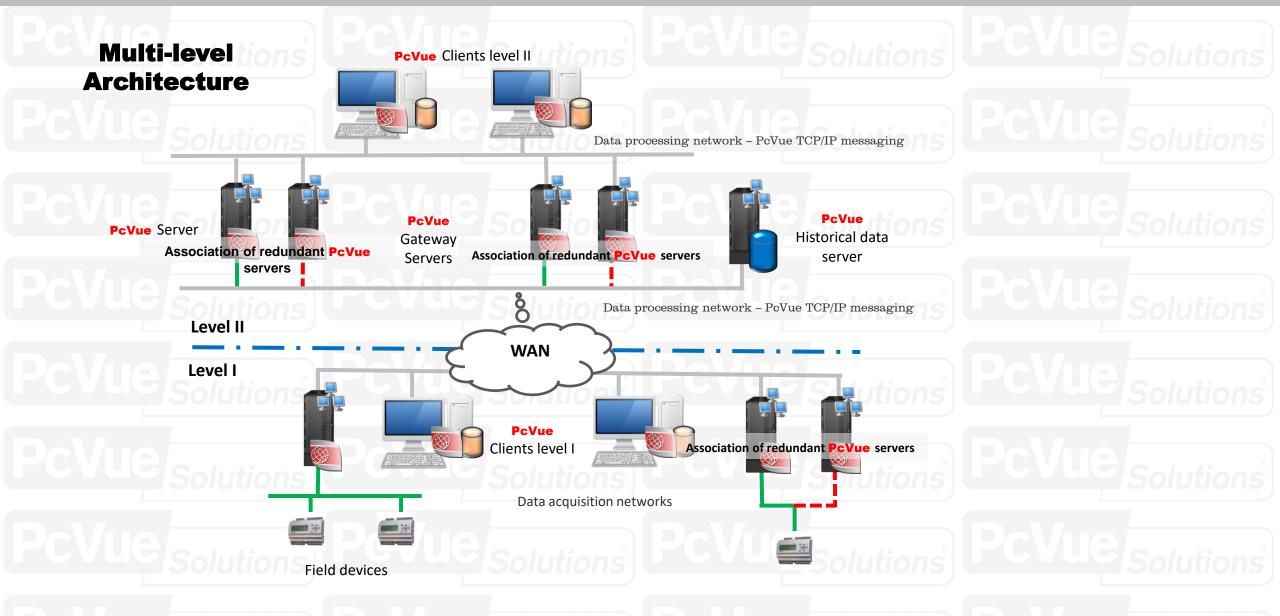


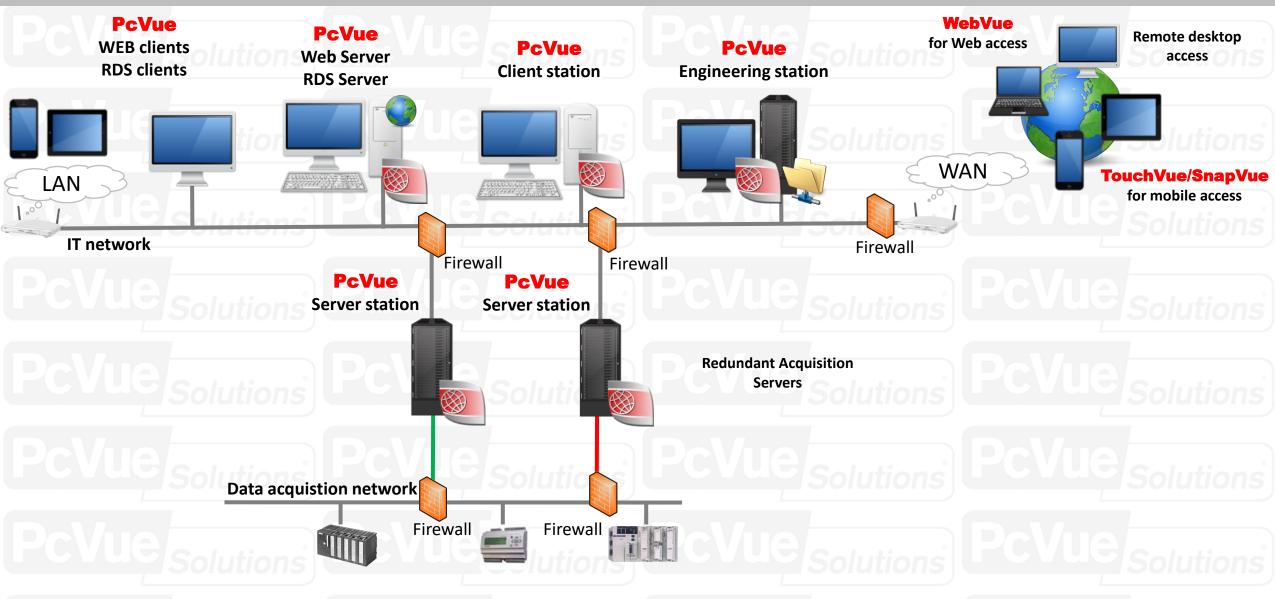


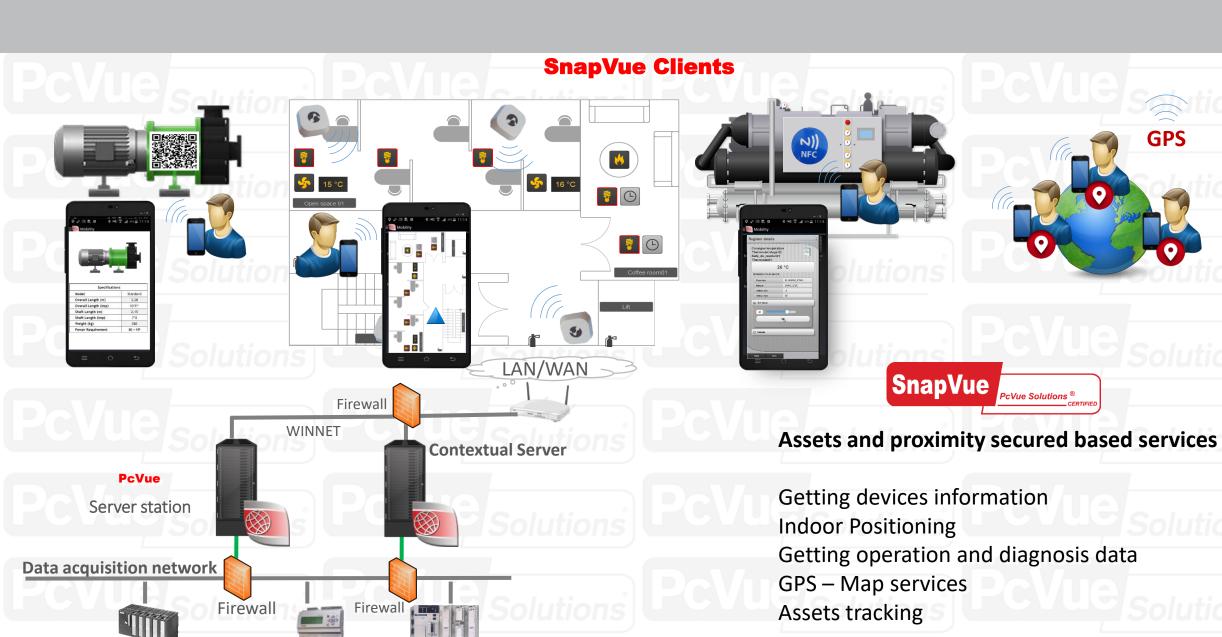


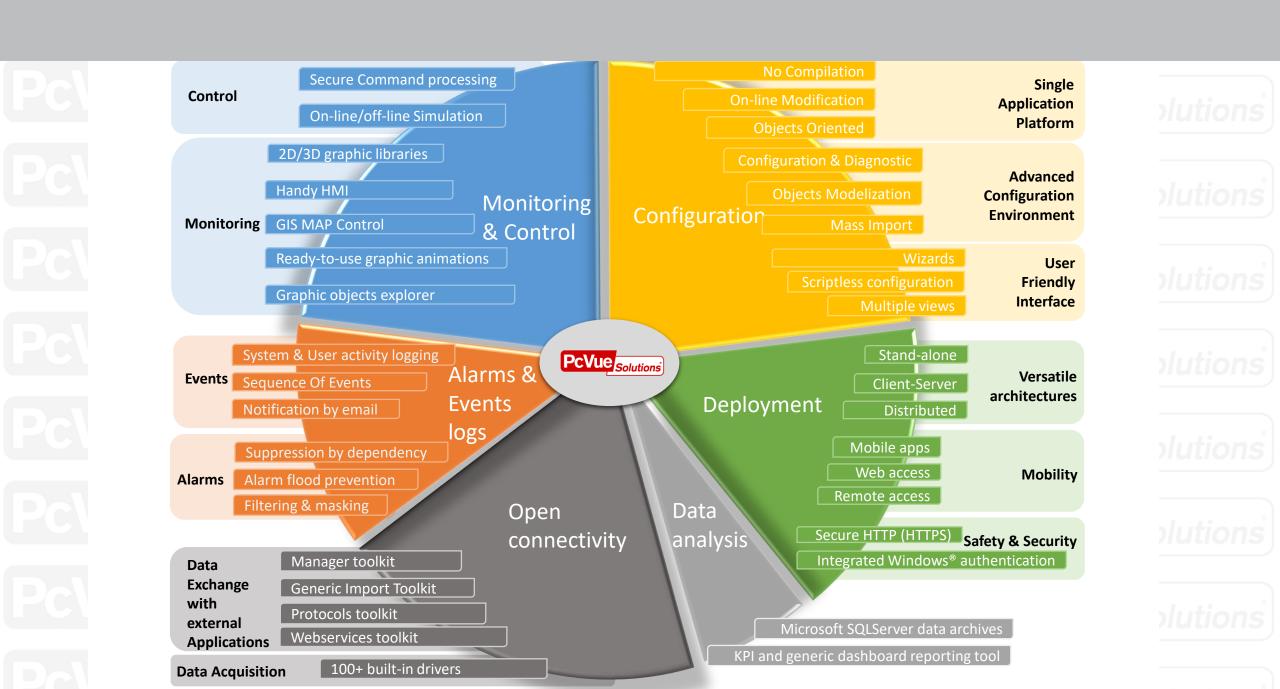




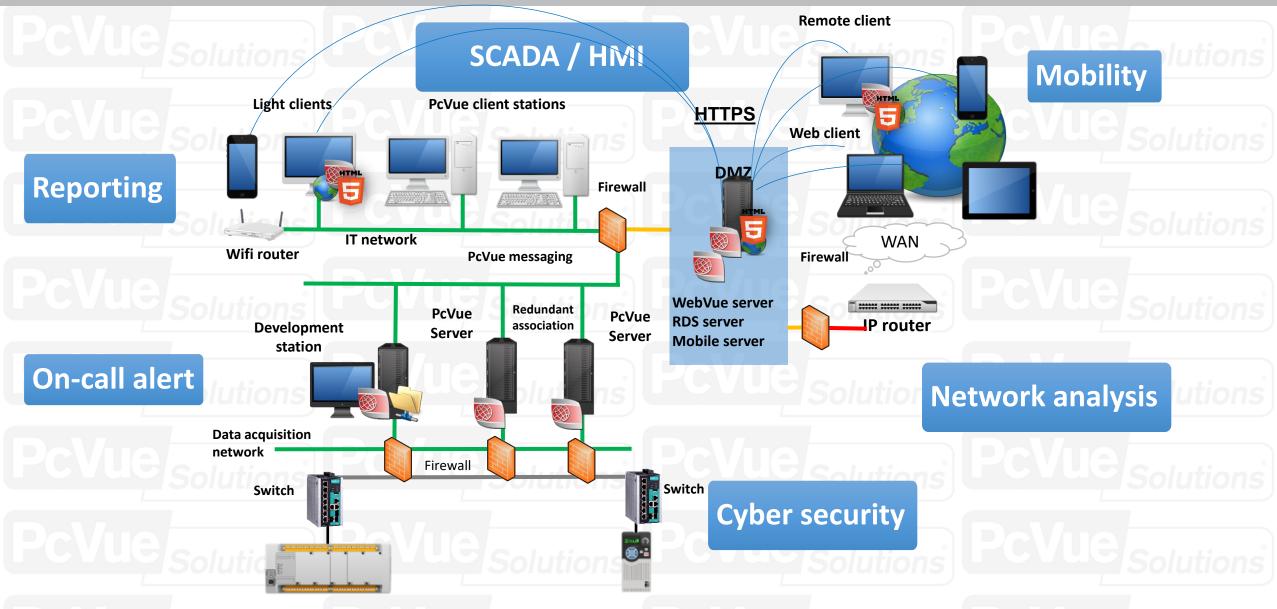








## PcVue Solutions Portfolio at a glance



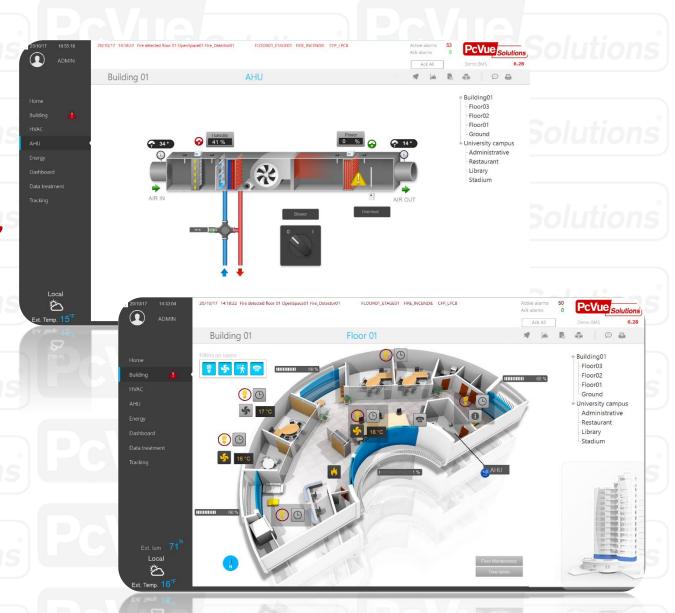
### Questions/Answers

#### Vertical markets



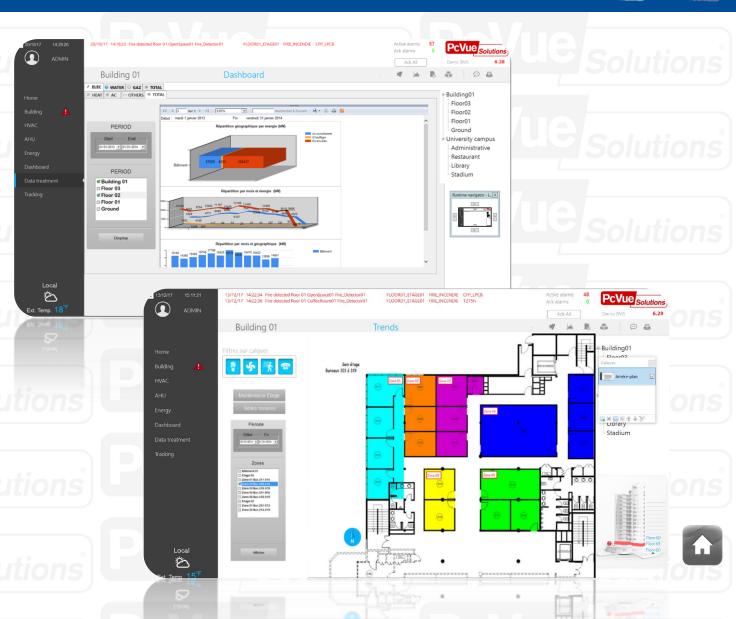
#### Building Management

- BMS dedicated libraries with predefined objects (HVAC, lighting system, Fire detection, automatic door systems....)
- Built-in management for equipment of such BMS brands and standards as BACnet®, KNX®, OPC®, LonWorks® and Modbus®
- Automatic generation of mimics (Smart Generator) from CAD files
- User-friendly Web based scheduler
- Centralized user rights management for the operators (Single-Sign On and Windows® Active Directory)



#### Building Management

- Powerful alarm management system (filters, masking, delays etc.) for more efficient acknowledgement
- Reporting to enable fast optimization of power consumption
- Audio alarm notification system, GSM, Email, SMS etc.
- Mobile app and Indoor Positioning services for easy data access



#### Energy

- Built-in time stamped protocol data discrimination
- Dedicated electrical protocols (IEC61850 DNV-KEMA certified, IEC 60870-5-104 Client & Server, DNP3)
- Network behavior simulation
- Built-in Busbar coloring function
- Redundant architectures for high availability systems, data acquisition and backup
- Built-in Map Control for GIS intregration (Geographic Information System)



#### Energy

- Archiving and reporting (via SQL Server) for diagnosis in case of electrical network failure
- 2D/3D graphic library and ISO objects for electrical distribution environment (circuit breaker, switch, etc.)
- SOE (Sequence Of Events) management
- Graphic animations with specific color-toobject coding
- Mobile app and Indoor Positioning services for easy data access

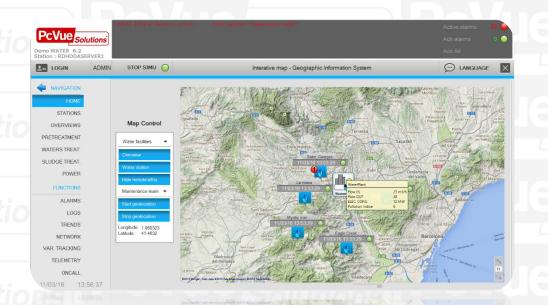


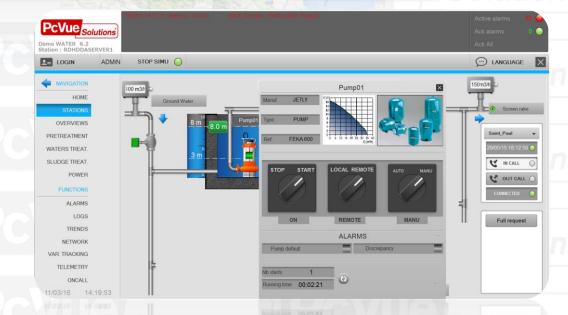


#### Water



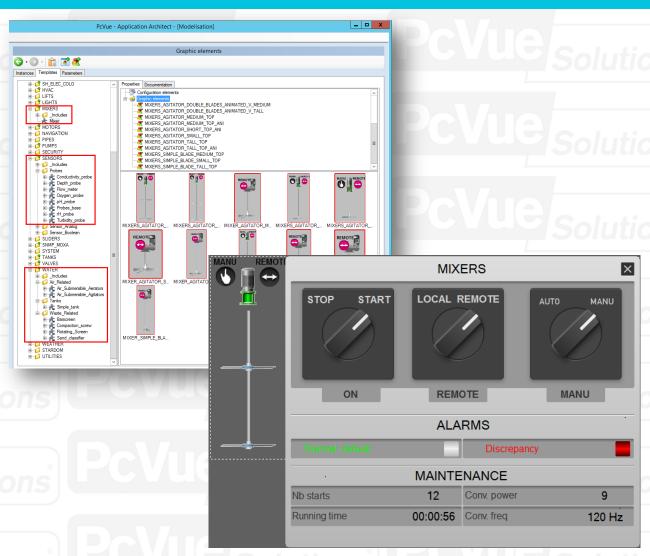
- Solutions for **purification** plants, for **drinking water** and for **waste water**
- Automatic data archiving
- Automatic generation of balance sheets and reports for regulatory compliance
- Audio alarm notification system, GSM, Email, SMS etc.
- High availability architecture to sustain continuous service





#### Water

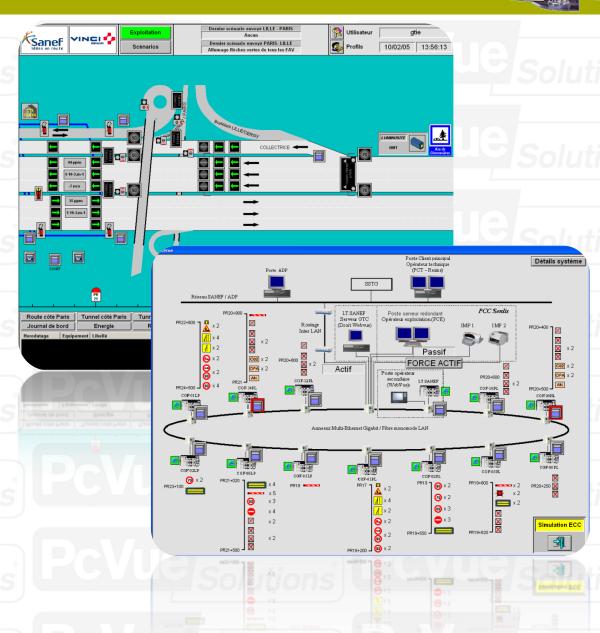
- Flexible system architecture (single station, client/server)
- Secure remote Web Client for maintenance, call schedule, owner, local groups etc.
- Water dedicated libraries with predefined objects
- Incoming call management
- Powerful trending features
- Archiving and reporting (SQL Server)





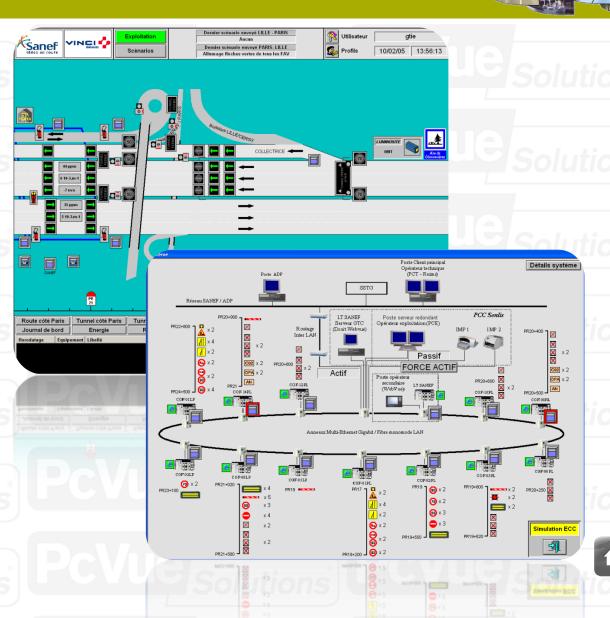
#### Infrastructure

- High-availability system architecture
- Fire detection protocols management
- Advanced user right management
- Scenario Event Management (SEM) for traffic and lanes
- Video surveillance and security camera integration system
- Integration of interphone over IP (emergency call etc.)



#### Infrastructure

- Automatic mimic generation from AutoCAD® files
- VCR (playback) functionality support
- Operation Aid System interface
- Built-in GIS solution (Geographic Information System)
- Alarm filtering by geographic zone, bridge, tunnel, railway etc.
- Archiving and reporting (SQL Server) for diagnosis



#### Transportation



- High-availability system architecture
- IP video surveillance integration
- Interphone over IP integration
- VCR functionality support
- Built-in Map Control for GIS integration (Geographic Information System)



#### Transportation



- Alarm filtering by geographic zone, line & station
- High resolution mimics (max. 10,000 x 10,000 pixels)
- Native management of multi-screen displays
   & video arrays
- Graphic animations with specific color-toobject coding (electric circuit, sidings, signals etc.)
- Development kit for third party applications interface (vehicle tracking, space-time diagram etc.)



#### Industry



- Protocol management for main PLC brands (Schneider Electric, Siemens, Rockwell, Beckoff, Saia, Wago...)
- **2D & 3D graphic library** and ISO objects for industrial environments
- Batch management and user-friendly control interface
- Interface with SPC (Statistical Process Control) charts
- Reporting

#### Industry



- ERP (Enterprise Resource Planning) interface manufacturing order management and followup
- CMMS interface
- Archiving and reporting (SQL Server) with batch number, range etc.
- 21 CFR Part 11 (double signature, audit trail etc.)



## Stay tuned!



PcVue Solutions PcVue Solutions PcVue Solutions PcVue Solutions