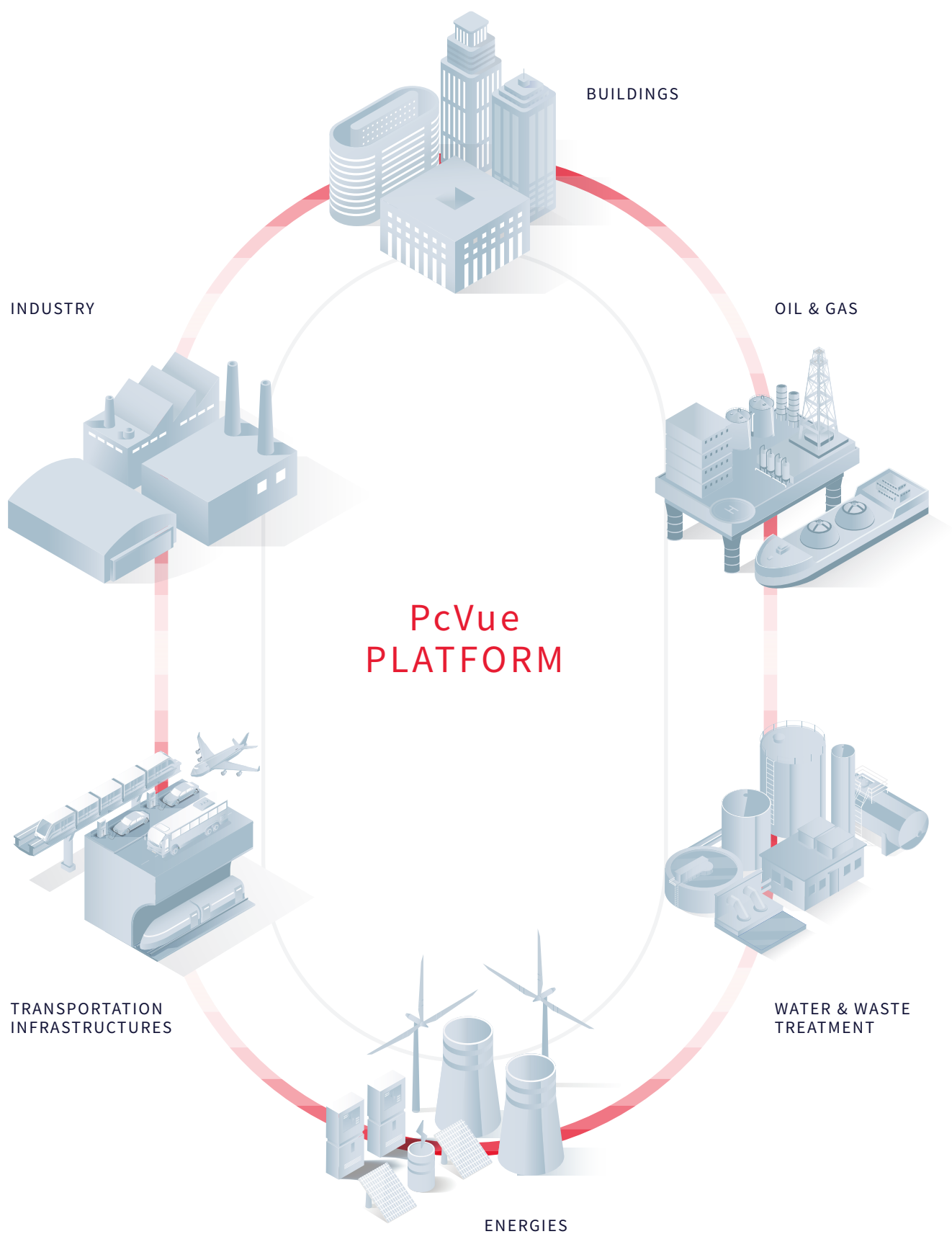




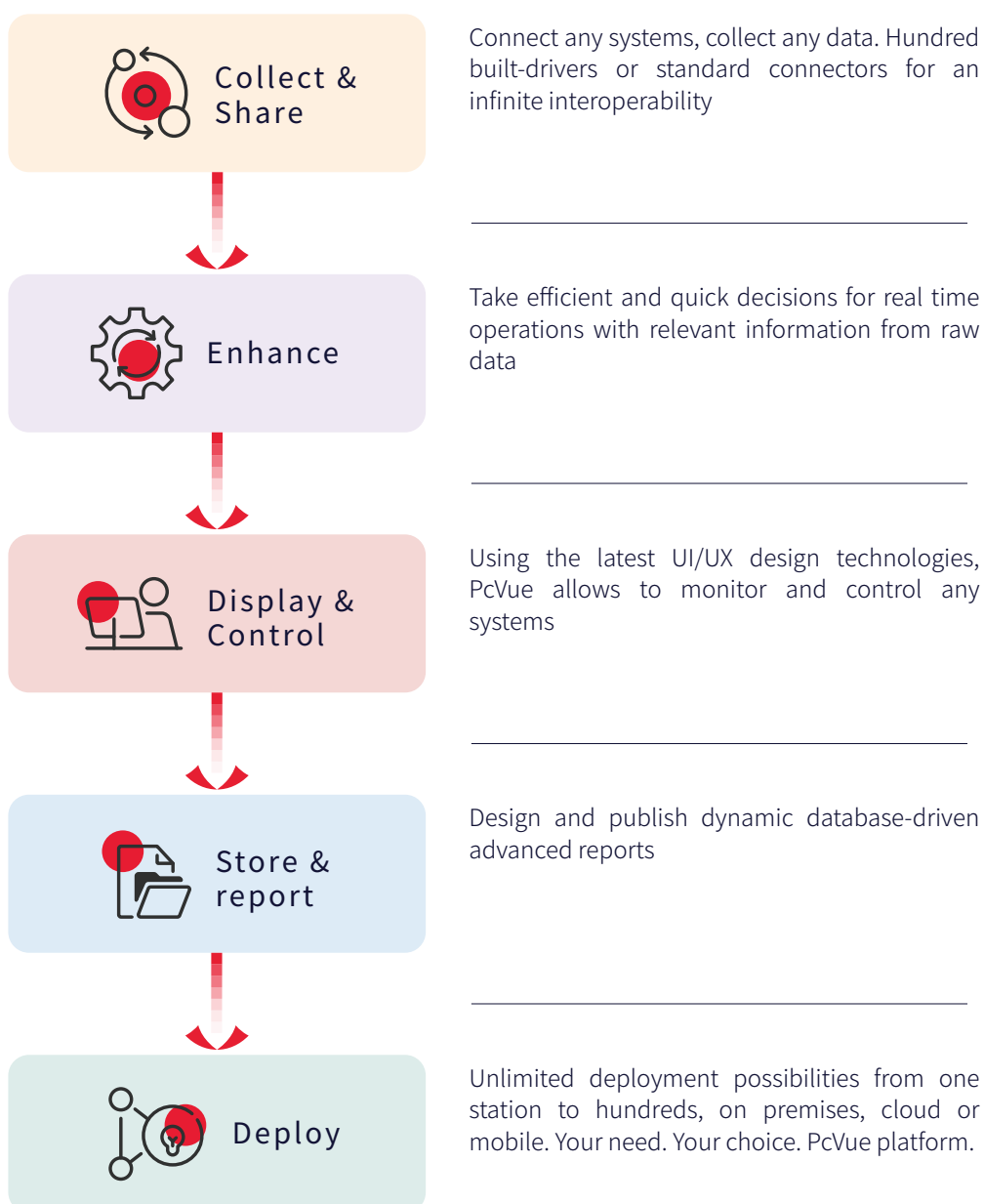
**Open connectivity SCADA software platform**

# BUSINESS SOLUTIONS

A multi-services & data integration platform  
designed for your needs



PcVue monitors and controls any kind of process with a single platform that combines **user-friendly interface, open connectivity and built-in features** adapted to each market



# SMART BUILDINGS



Office buildings, data centers, industrial facilities, hospitals, airports, train stations, parking lots, malls, universities



"Supervision is the extension of buildings increasingly connected, interactive, intuitive... and smarter!"

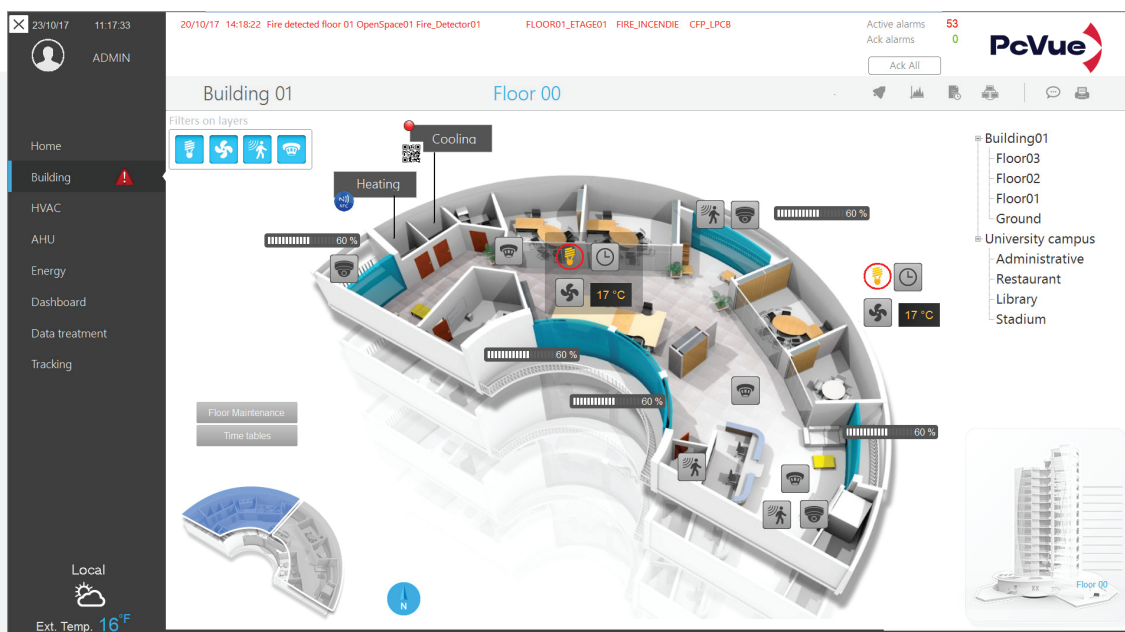
## NEEDS

- ✔ Manage one or several buildings in a centralized and cohesive manner
- ✔ Ensure occupants' comfort and safety in all circumstances
- ✔ Guarantee proper functioning and durability through efficient maintenance
- ✔ Optimize the return on investment while ensuring regulatory compliance defined through a web interface
- ✔ Run an open and scalable system that adapts to changes at lower cost
- ✔ Make the building more intuitive and interactive for users

## SOLUTIONS

- ✔ Monitoring solutions for all technical aspects of the building
- ✔ Contextual mobile solution for intuitive operation
- ✔ Intuitive graphical interface for monitoring and control of facilities, locally or remotely
- ✔ Monitoring and analysis of real-time performance
- ✔ Native support for standard protocols BACnet™, LonWorks™, KNX, Modbus®, LoRa, sigfox, MQTT, SNMP, OPC.
- ✔ Optimized management of alarms and events
- ✔ Data archiving locally or in the cloud
- ✔ Advanced data analysis & Reports
- ✔ Single development platform featuring an intuitive configuration environment
- ✔ Interoperability with all building management services





# ENERGY PRODUCTION & DISTRIBUTION



Renewable energy, nuclear energy,  
heat production, substations automation



"PcVue is fully involved in the control of energies which is a major stake of our world."

## NEEDS

- ✓ Providing energy reliably and continuously
- ✓ Supervizing the facilities of energy production: monitor and control, keep in operational conditions
- ✓ Maintain a sufficient level of production respecting the regulatory constraints



## SOLUTIONS

- ✓ Supervision and hypervision of the systems of energy production
- ✓ Real-time control and alarm management and events
- ✓ Long-term operation with analysis tool and data processing (archiving, curves, ...)
- ✓ Production tracking and report editions comply with regulatory requirements
- ✓ Reliable, scalable and secure architectures
- ✓ A single platform to develop your application
- ✓ Built-in support for IEC 61850 DNV KEMA certified, IEC 60870, IEC 61400-25, DNP3 and ICCP
- ✓ Deployment solutions from stand-alone station to high availability distributed systems
- ✓ Ready-to-use animated symbols for power systems
- ✓ Dynamic busbar coloring
- ✓ On-line/Off-line simulation
- ✓ Customized mobile solutions for efficient operations
- ✓ KPI and generic dashboard reporting tools



WindPowerPlant 01 | WindTurbine 03

ADMIN  
ADMIN

WindTurbine

Substation

Transformer

Single line diagram

Mobile users

Site01.WindTurbine03

ON

REFERENCE G47  
Manufacturer GAMESA

Last update 29/08/18 16:56:52

Apparent Power 7 VA

Active Power 546 kW

RPM 0.8 rpm

Reactive Power 1 kVAR

PITCH  
Brake ON  
Motor OFF

YAW  
Angle Blade 1. 38.55 °  
2. 36.63 °  
3. 52.68 °

MOTOR  
Rotor Speed 15.6 rpm  
Max. RPM 9.8 rpm  
Min. RPM 16.98 rpm  
Avg. RPM 13.76 rpm

NACELLE  
Wind Speed 7.37 m/s  
Wind Direction 61.2 °  
Temperature 24.79 °C  
Humidity 40.61 %  
Atm Press 1026.74 hPa

Power curve graph showing Power (kW) vs Wind Speed (m/sec).

Expected range

29/08/18 16:56:54  
29/08/18

SUBSTATION-SUBSTATION-Alarm on - Not ack.  
SUBSTATION-SUBSTATION-Alarm on - Not ack.  
SUBSTATION-SUBSTATION-Alarm on - Not ack.  
SUBSTATION-SUBSTATION-Alarm on - Not ack.

000 locked  
000 locked  
000 locked  
Temperature of Cooling Liquid

07 Alarms ON  
00 Alarms ACK

# INDUSTRY



Solutions for Industry



"A unique platform connected to any system, scalable and able to adapt to change seamlessly. Ready for Industry 4.0 challenges."

## NEEDS

- ✓ Monitoring and controlling any kind of industrial installations for the production or the facilities
- ✓ Connecting heterogeneous devices and standardizing operation modes
- ✓ Securely ensuring the continuity of the production
- ✓ Optimizing the operations and maintenance of the production tools
- ✓ Ensuring the traceability of production data
- ✓ Reducing cost of system updates (development, operator training)
- ✓ Benefit from sustainable solutions which can be autonomously managed by final users


## SOLUTIONS

- ✓ Built-in support of the standard drivers of automation and control devices
- ✓ Optimized management of alarms, trends and events for the operation and the maintenance
- ✓ Ergonomic and user-friendly graphical interface, adaptable to all types of processes
- ✓ Single development platform including an intuitive configuration environment
- ✓ Interoperability ensured with the global system of your company : ERP, CMMS, Quality, IT
- ✓ Flexibility and scalability : from a single station to client- server architecture
- ✓ Built-in support of the 21 CFR 11 standard
- ✓ Contextual mobility solutions to facilitate the work of the operator





# INFRASTRUCTURES

 Airports, ports, train stations, tunnels, bridges, highways, waterways



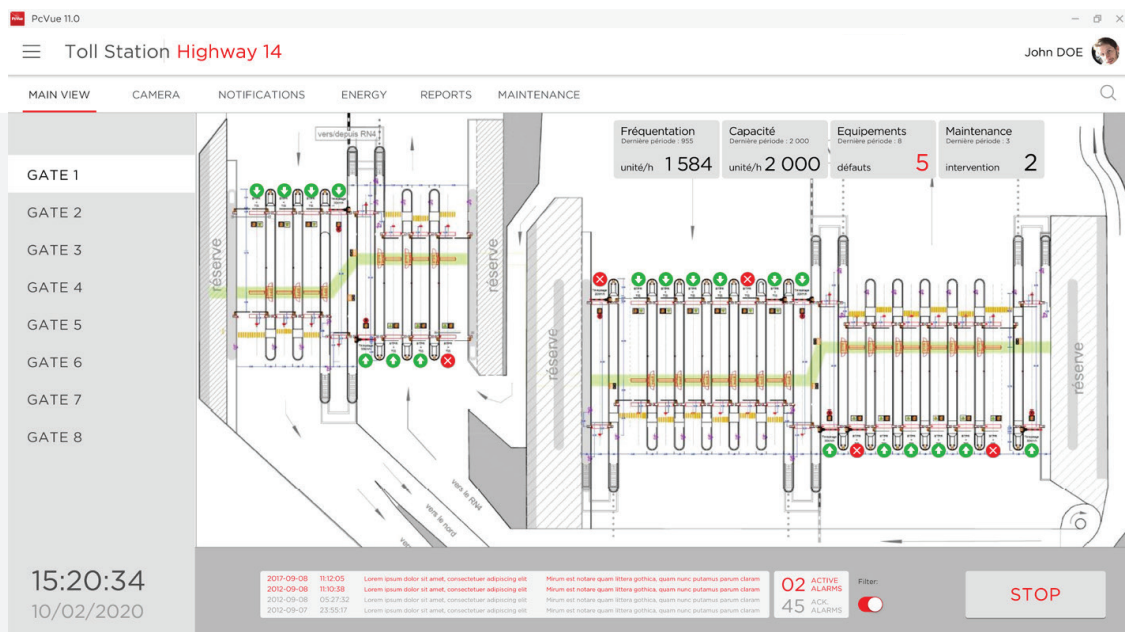
"PcVue gets all the mobility infrastructures under control"

## NEEDS

- ✓ Supervise various technical installations
- ✓ Ensure maintenance in operational conditions
- ✓ Contribute to the safety of people

## SOLUTIONS

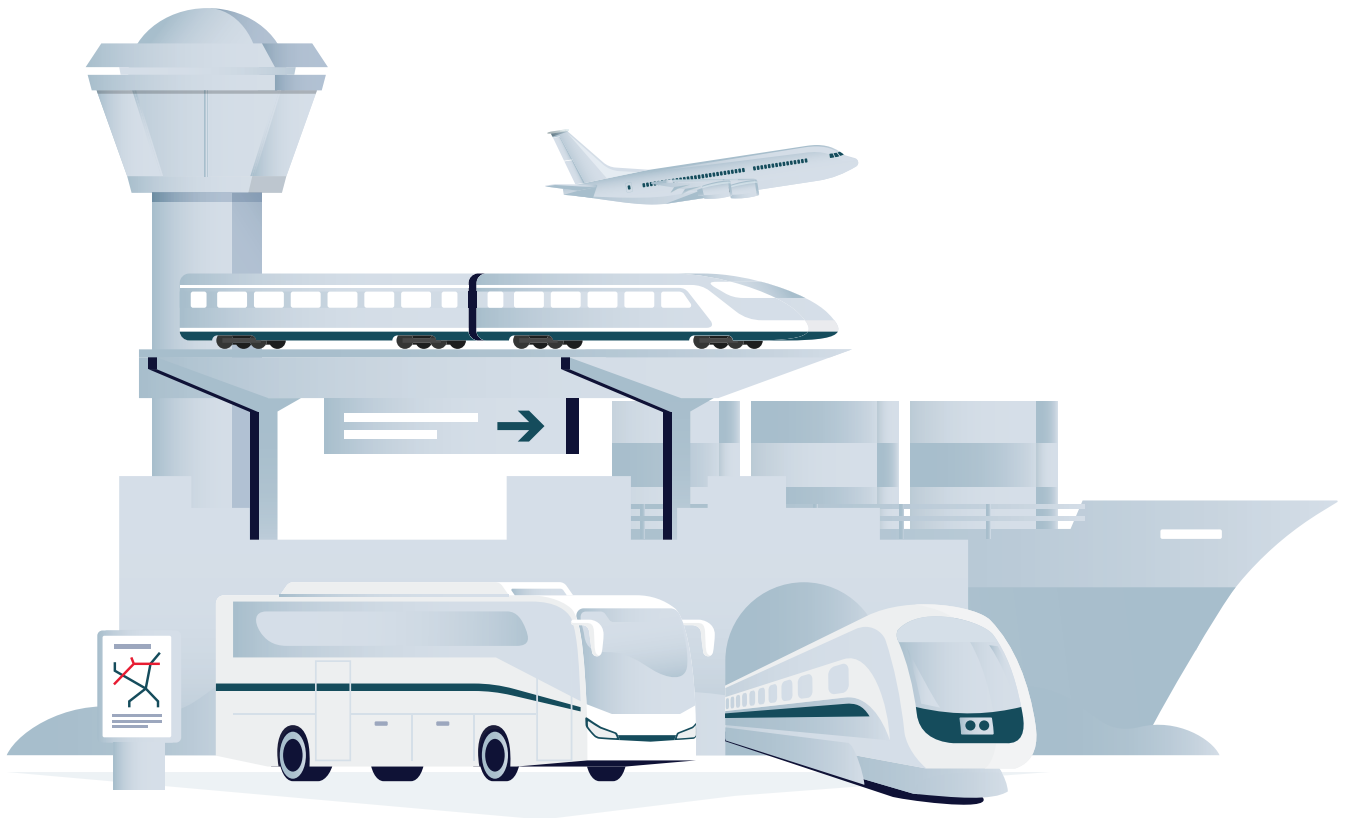
- ✓ Open and scalable platform
- ✓ Alarm and event management
- ✓ Integration of video and intercom systems
- ✓ Management of archiving and restitution of data



# TRANSPORTATION



Trains, metros, tramways, bus, electrical vehicles



"PcVue ensures a high availability monitoring system for any kind of transport"

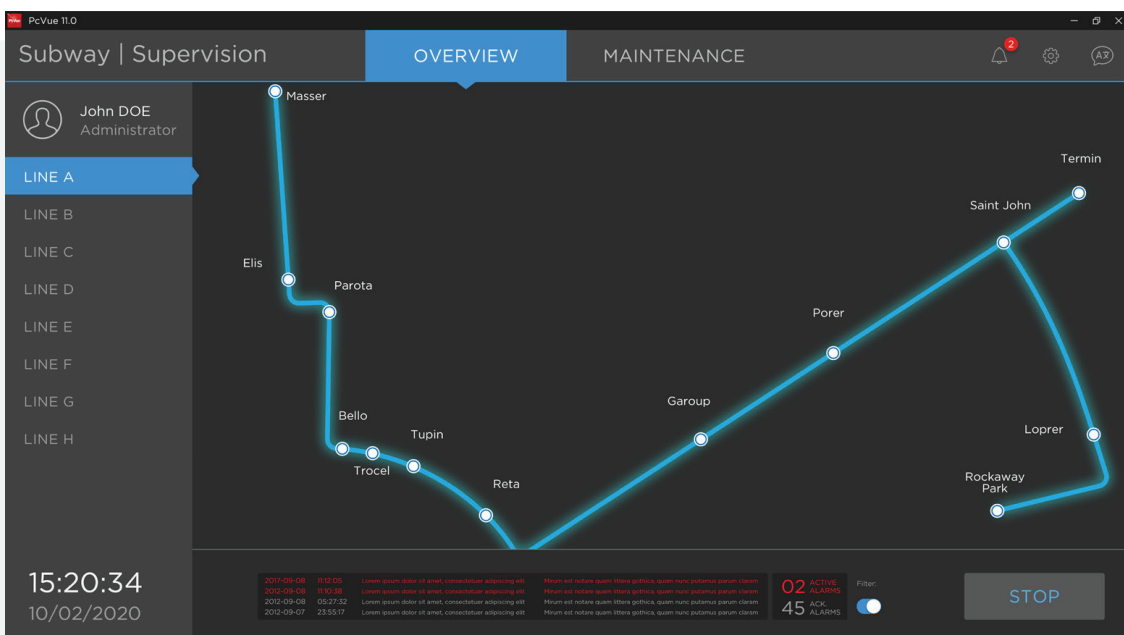
## NEEDS

- ✓ Supervision of intra/extra urban transport facilities: monitoring and control, keep in operational conditions
- ✓ Ensure the safety of people
- ✓ Respect regulatory constraints

## SOLUTIONS

- ✓ Real-time supervision and alarm management and events
- ✓ Long-term operation with analysis tool and data processing (archiving, trends...)
- ✓ Report editions that meet the requirements regulatory

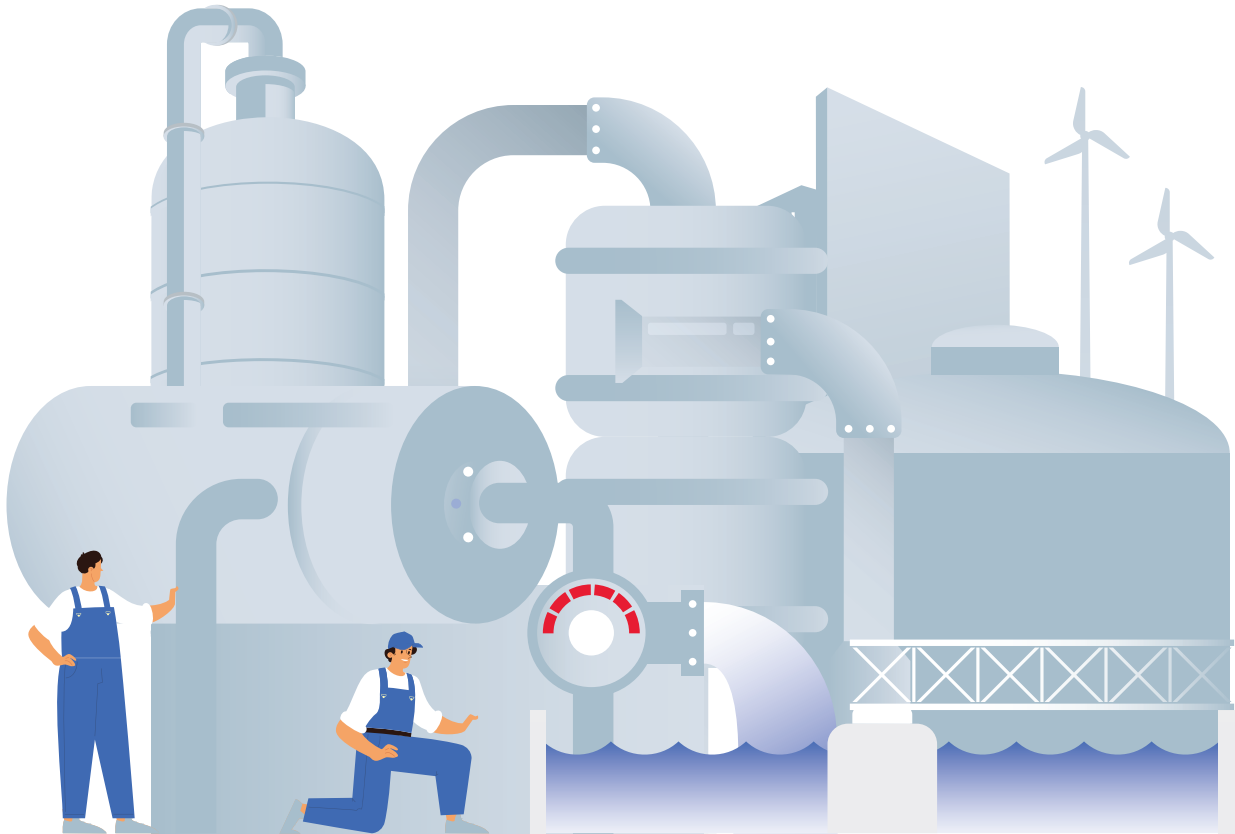




# SUSTAINABLE ENVIRONMENT



Water production & distribution,  
water & waste treatment



"PcVue contributes to the Green City by optimizing processes while ensuring a high level of quality."

## NEEDS

- ✓ Monitor and control all kind of water systems
- ✓ Enables return on investment by reducing engineering time maintenance and energy costs
- ✓ Improve operational effectiveness to increase both productivity and quality of service
- ✓ Meet the requirements for compliance and regulatory reporting

## SOLUTIONS

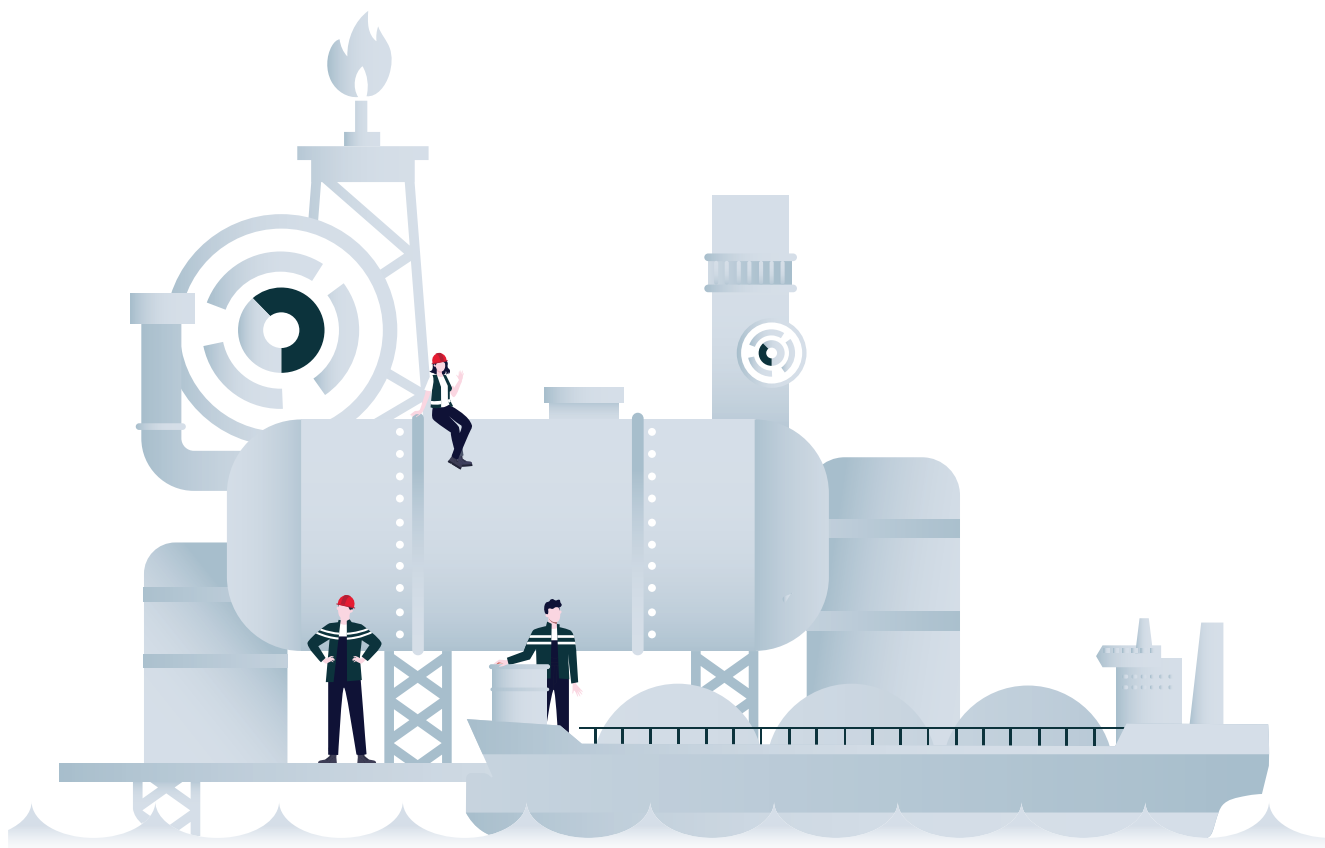
- ✓ Platform adapted to all kind of water systems
- ✓ Dedicated object libraries for Water
- ✓ Events and alarms treatment
- ✓ Powerful trends capabilities
- ✓ On-call and mobile solutions
- ✓ Data processing and reporting tools
- ✓ High availability architectures
- ✓ Telemetry solutions



# OIL & GAS



Oil & gas sites monitoring and controlling platform



## "PcVue Platform to help you improve your safety"

PcVue can offer remote monitoring of facilities over a large geographical area. The animated 3D mimic capability, and the user-friendly Human Machine Interface (HMI), can also help operators locate easily defective devices, this technology can be very useful for energy management systems for example .

The implementation of scada for oil & gas will greatly improve the reliability and safety of your installations and machinery by providing the right data to the right people at the right time.

By continuously monitoring your assets and recording events and alarms it can automatically schedule or alert for necessary preventive maintenance intervention.

## "Providing solutions to record your data"

The real-time data recorded for metering and product transferred can be recorded easily and referred to as a time stamped official transaction document and customized regulatory reporting can be used as contractual paper work.

Our scada oil & gas solution provides high availability and centralized scada system with the lowest total cost of ownership.

Thanks to its award winning object oriented configuration platform and by using templates, wizards and data import integrated tools, PcVue greatly reduce engineering, configuration and deployment time of our system Integrators partners, and this asset can also be very useful through scada industry software.



## NEEDS

- ✔ Built-in time stamped protocol – data discrimination and event tracking. Time stamping at source
- ✔ Redundant architectures for high availability systems, data acquisition and backup
- ✔ SIL2, SIL 3 project references
- ✔ Archiving and reporting (via SQL Server) for diagnosis and metering application product transfer comparison
- ✔ Event management for real time and historical data
- ✔ 3D Mimics for easy “real life” equipment location
- ✔ Network behavior simulation
- ✔ Monitoring and running standby supplies
- ✔ Web HTML5 Access for remote monitoring of assets



PcVue FEATURES

# TECHNICAL FEATURES OVERVIEW

  
MONITORING  
AND CONTROL

  
COMMUNICATION  
INTERFACES

  
DEPLOYMENT

  
DATA ANALYSIS

  
CONFIGURATION

PcVue FEATURES

MONITORING AND CONTROL	<b>Graphical Interface</b> <ul style="list-style-type: none"> <li>- Intuitive</li> <li>- 2D/3D object oriented libraries</li> <li>- 60+ predefined animations</li> <li>- Multilingual texts</li> <li>- SIG Map Control</li> </ul>	<b>Advanced alarm and event management</b> <p>Configurable alarm and event viewers</p> <p>Filter, sorting, mask by status, priority and/or attribute – modifiable on line</p> <p>Contextual alarms management</p> <p>Alarm counters</p>	<b>Trends</b> <p>Simultaneous display of real time and historical trends</p> <p>Customizable interface</p> <p>Comparative trends</p> <p>Data trend export to Excel</p>
COMMUNICATION INTERFACES	<b>Wide range of protocols</b> <ul style="list-style-type: none"> <li>- BACnet™</li> <li>- DALI</li> <li>- KNX</li> <li>- LonWorks®</li> <li>- SIEMENS OPC MK8000 IP</li> <li>- POSM</li> </ul>	<b>Power System Automation drivers</b> <ul style="list-style-type: none"> <li>- IEC 61870-5-104 Client/Server</li> <li>- IEC 61850 Client</li> <li>- DNP3</li> <li>- ICCP</li> </ul> <b>Other drivers (100+)</b> <ul style="list-style-type: none"> <li>- OPC</li> <li>- Modbus IP</li> <li>- SNMP</li> </ul>	<b>IoT</b> <ul style="list-style-type: none"> <li>- LoRa</li> <li>- sigfox</li> <li>- MQTT</li> </ul> <b>Interoperability</b> <ul style="list-style-type: none"> <li>- OPC (DA/UA)</li> <li>- Web services (RESTful)</li> <li>- Cloud</li> </ul>
DEPLOYMENT	<b>Flexible architectures</b> <ul style="list-style-type: none"> <li>- Single station</li> <li>- Client-Server</li> <li>- Distributed</li> </ul>	<b>Mobile solutions</b> <ul style="list-style-type: none"> <li>- Smart mobile application</li> <li>- HTML5 web client</li> <li>- Remote access</li> </ul>	<b>Safety and security</b> <ul style="list-style-type: none"> <li>- Centralized management of rights with Windows Active Directory authentication</li> <li>- HTTPS secure connections</li> </ul> <b>Centralized project management</b>
DATA ANALYSIS	<b>Archiving</b> <p>Local or centralized archiving</p> <p>SQLServer</p>	<b>Energy performances</b> <ul style="list-style-type: none"> <li>- KPI</li> <li>- Dashboard</li> </ul>	<b>Reports</b> <ul style="list-style-type: none"> <li>- Edition and generation of dynamic</li> </ul>
CONFIGURATION	<b>Smart Generators</b> <p>Import tool for mass configuration from third party software or external configuration platform (PLC platforms, CAD software, 3rd party SCADA, proprietary software).</p>	<p>AUTOCAD®</p> <p>BACnet™</p> <p>DALI\WAGO®</p> <p>LNS®</p> <p>Saia Burgess Controls</p> <p>Schneider Unity®</p>	<b>Application Explorer</b> <p>Configuration tool « All in One » for configuration and diagnostic</p> <b>Application Architect</b> <p>Modelization and project generation</p>

## OPEN CONNECTIVITY SOFTWARE PLATFORM

In business for over 40 years, ARC Informatique is a forward-thinking industrial software editor with 16 offices worldwide. Using the latest technologies, ARC Informatique develops PcVue, a reliable, secure and robust operations software platform, dedicated to monitoring and control applications in markets such as Building and Campus Management, Energy, Transportation, Infrastructure, Manufacturing and other Industrial applications.

With 160+ dynamic team members, we are both physically very close and culturally compatible with our user base, thereby facilitating responsive customer care. Our ISO 9001, 14001 and 27001 certifications ensure quality, sustainability, and security in our development processes from design to delivery.



### A CUSTOMER-ORIENTED APPROACH

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



## GLOBAL PLAYER LOCAL APPROACH



16  
SUBSIDIARIES

50+  
VAR  
WORLDWIDE

200+  
LOCAL SI  
PARTNERS

## CONTINUOUS QUALITY IMPROVEMENT



ARC Informatique is ISO 9001,  
ISO 14001 and 27001 certified





## Business Solutions

A multi-services & data  
integration platform  
designed for your needs

### ARC Informatique

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🌐 [www.pcvue.com](http://www.pcvue.com)



ARC Informatique is ISO 9001,  
ISO 14001 and 27001 certified