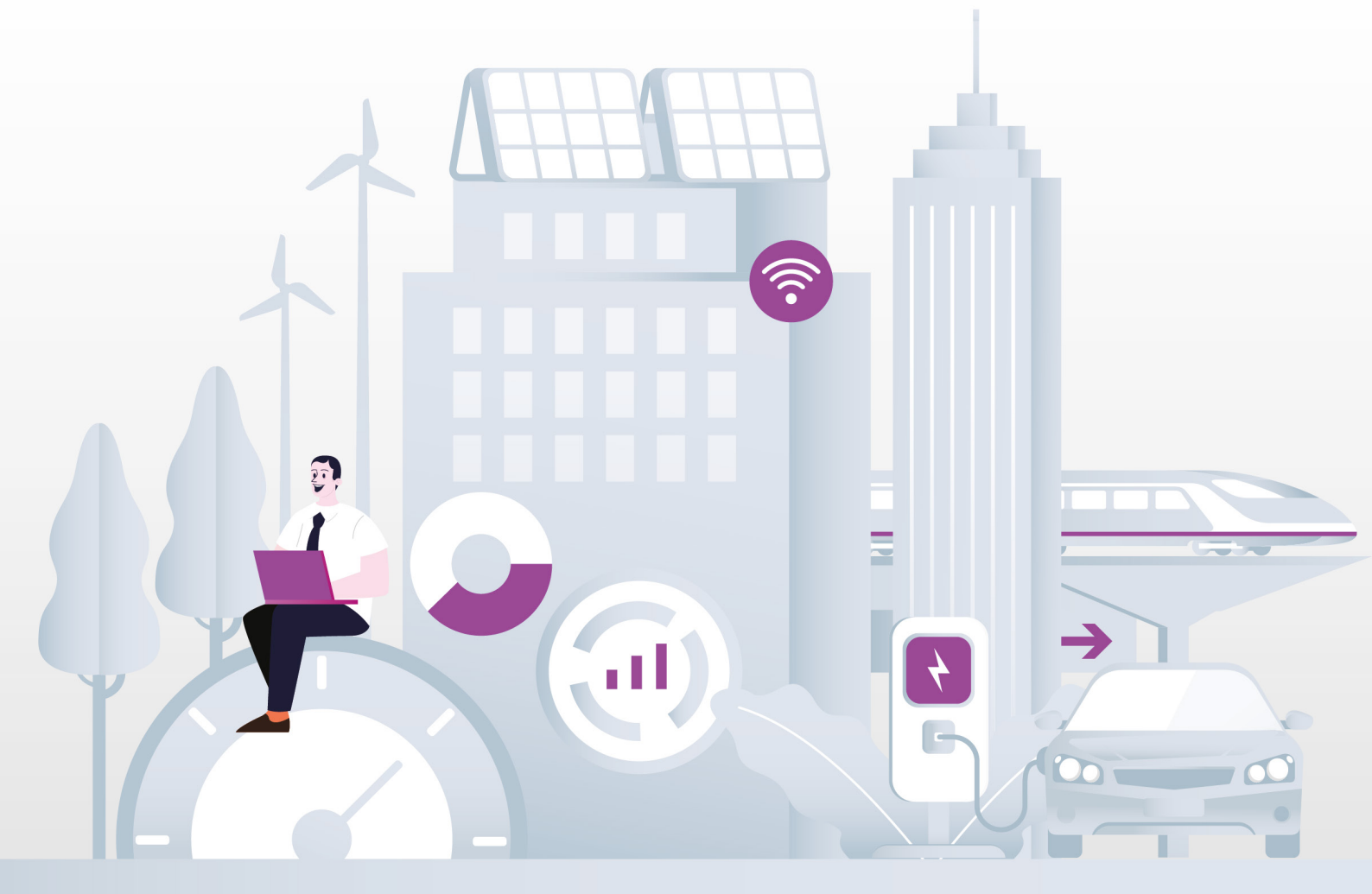




Open connectivity SCADA software platform

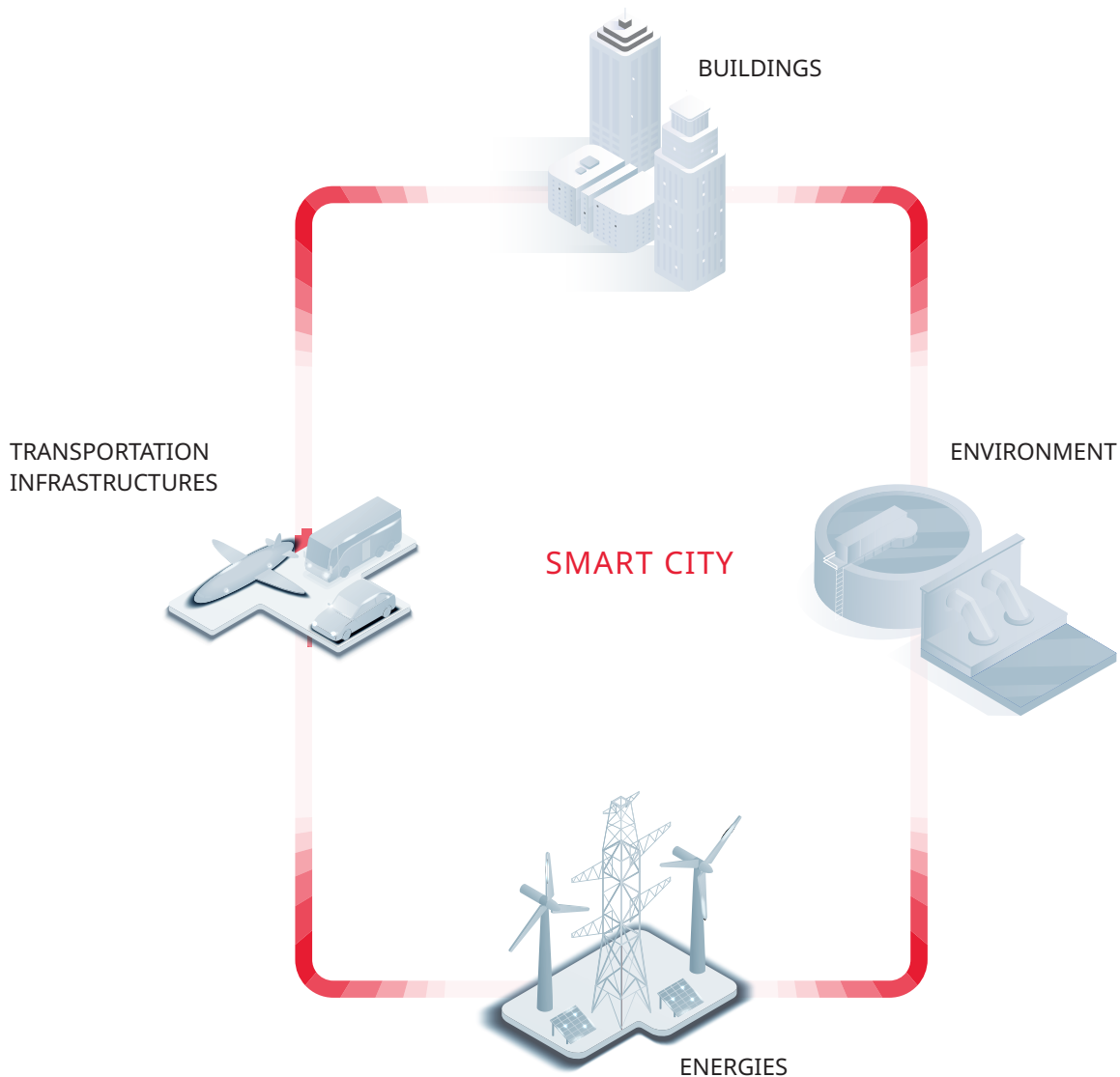
SOLUTIONS FOR SMART CITY



Production and Distribution of Energy, Water & Waste Treatment,
Transports, Buildings and Infrastructures

A DATA INTEGRATION AND SERVICES PLATFORM FOR SUPERVISION OF SMART CITY

With long-standing experience in the heart of cities, PcVue supports you in the digital transformation of cities with supervision solutions adapted to all the structures that contribute to the functioning of a smart city.



- PcVue provides monitoring and control solutions that meet the constraints of all the structures that make up a city : the production and distribution of energy, the water and waste treatment, transports, buildings and infrastructures.
- With a platform capable of supervising all types of equipments and connected objects, interface with heterogeneous systems in a scalable way and web and mobile solutions innovative PcVue Solutions is at the heart of the smart city.
- The expertise, proven by many references in cities around the world combined with our technological innovations make PcVue Solutions the ideal partner to support you in the transformation of today's cities.

MONITORING AND CONTROL	Graphical Interface - Intuitive - 2D/3D object oriented libraries - 60+ predefined animations - Multilingual texts - SIG Map Control - BIM viewer - Videos (ONVIF,RSTP)	Advanced alarm and event management Configurable alarm and event viewers Filter, sorting, mask by status, priority and/or attribute – modifiable on line Contextual alarms management Alarm counters	Trends Simultaneous display of real time and historical trends Customizable interface Comparative trends Data trend export to Excel
CONNECTIVITY	BMS drivers - BACnet™ - DALIWAGO® - KNX - LonWorks® - SIEMENS OPC MK8000 IP - POSM	Power System Automation drivers - IEC 61870-5-104 Client/Server - IEC 60870-5-101 Client - IEC 61850 Client - DNP3 - ICCC - OCPP Other drivers (100+) - OPC - Modbus IP - SNMP	IoT - LoRa - sigfox - MQTT Interoperability - OPC (DA/UA) - Web services (RESTful) - SDKs - Cloud - Universal Data Connector : SQLBridge for ADO.NET data source
DEPLOYMENT	Flexible architectures - Single station - Client-Server - Distributed	Mobile solutions - SnapVue : Supervizion according to location/role - TouchVue : Notifications & controls - WebVue : WEB HTML5 client - Supervision from a web browser - Remote access	Safety and security - Centralized management of rights with Windows - Active Directory authentication - HTTPS secure connections - Support for SYSLOG Centralized project management
DATA PROCESSING	Archiving Local or centralized archiving SQLServer	Energy performances - KPI - Dashboard	Reports - Edition and generation of dynamic reports available in several formats - Distribution on demand or automatically by email - Accessible via a configurable web interface
CONFIGURATION	Smart Generators Import tool for mass configuration from third party software or external configuration platform (PLC platforms, CAD software, 3rd party SCADA, proprietary software).	AUTOCAD® BACnet™ DALI\WAGO® LNS® Saia Burgess Controls Schneider Unity® Siemens STEP 7 Siemens TIA Portal WAGO®	Application Explorer Configuration tool « All in One » for configuration and diagnostic Application Architect Modelization and project generation

SMART BUILDINGS

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

Supervision is the extension of the building that
becomes more connected, more interactive,
more intuitive ... smarter!



NEEDS

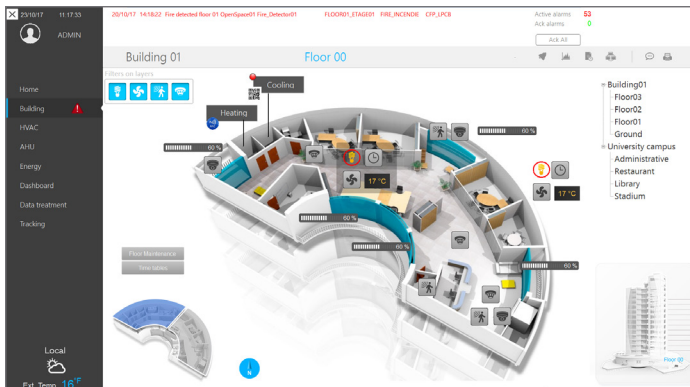
- Manage one or several buildings in a centralized and cohesive manner
- Ensure occupants' comfort and safety in all circumstances
- Guarantee proper functioning and durability through efficient maintenance
- Optimize the return on investment while ensuring regulatory compliance
- Run an open and scalable 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
- 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®, 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

REFERENCES

- ✓ Paris area Aeroports / Paris - France
BMS of one of the Paris airport Terminals
- ✓ AIRBUS / Toulouse - France
BMS of the buildings used for the Airbus A380 assembly line
- ✓ Financial Center TAIPEI 101 / Taipei - Taiwan
Energy management system of the TAIPEI 101 tower
- ✓ Hotel Ritz / Paris - France
BMS of the hotel
- ✓ Coeur Défense / Courbevoie - France
Revamping the BMS of Coeur Defense



SUSTAINABLE ENVIRONMENT

Water production & distribution, water & waste treatment

- PcVue platform 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 operationnal effectiveness to increase both productivity and quality of service
- Help to 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 mobiles solutions
- Data processing and reporting tools
- High availability architectures
- Telemetry solutions

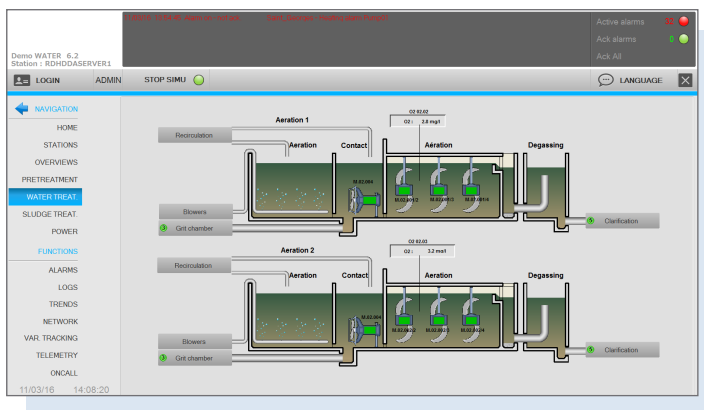
REFERENCES

✓ Waste water treatment

Nice - Istanbul - Florence - Bastia - Paris - Richemont - Epernay - Belfort - Cayenne - Syndicat des eaux du Nord Luxembourg - Estavayer Le Lac (Switzerland) - Bucarest,...

✓ Production and distribution of water

Paris (Siaap) - Lyon - Nice - Grenoble - Shanghai - Florence - Taksetp - Lugano - Montpellier - Pt Indomitra Aneka Abadi (Indonesie) - Conseil national de l'approvisionnement en eau et du drainage (Sri Lanka),...



ENERGY PRODUCTION AND DISTRIBUTION

Renewable energy, nuclear energy, heat production, substations automation

- PcVue is fully involved in the control of energies which is a major stake of the smart city.



NEEDS

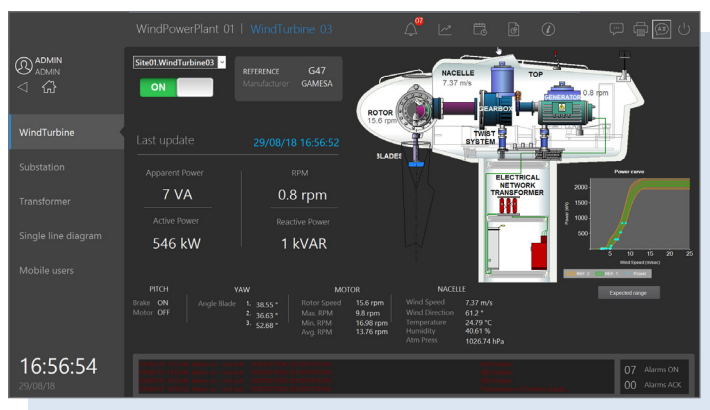
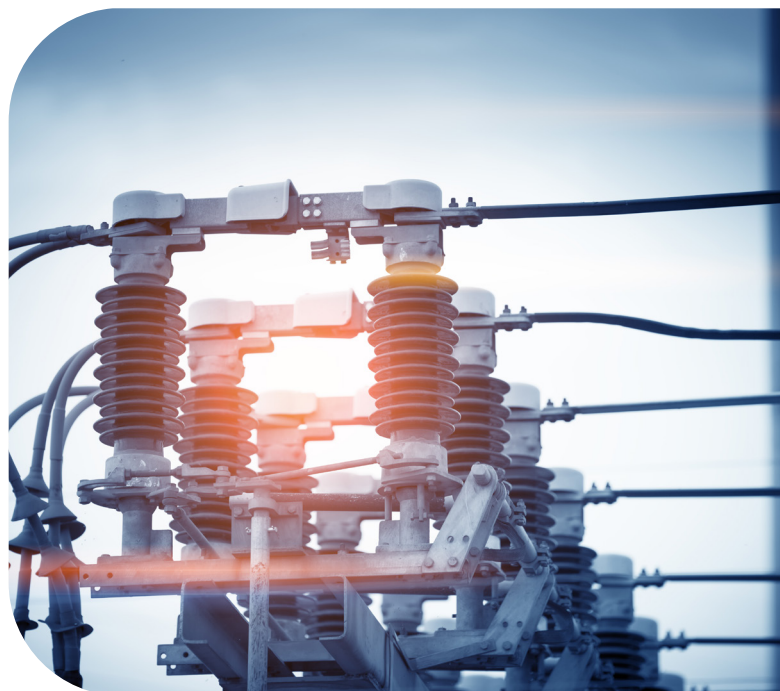
- Providing energy to cities and their facilities reliably and continuously
- Supervizing the facilities of energy production of cities: monitor and control, keep in operational conditions
- Maintain a sufficient level of production respecting the regulatory constraints

SOLUTIONS

- Supervision and hypervision of the systems of production of cities
- 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

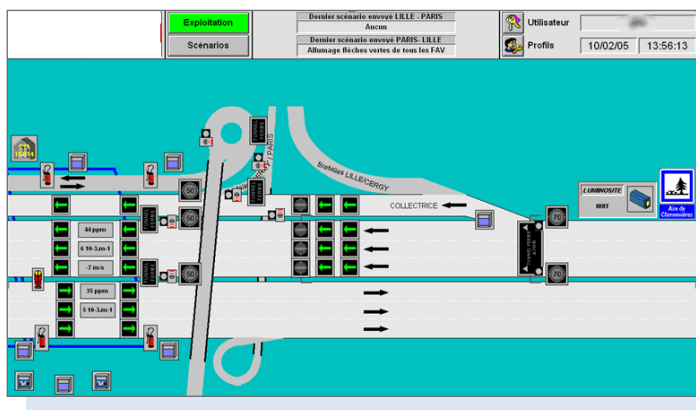
REFERENCES

- ✓ Electrabel / Belgium
Monitoring and control of the Bressoux power plant cogeneration
- ✓ Hitaveita Reykjavíkur / Island
Supervision and remote control of devices of the geothermal central of the city of Nesjavellir (2 X 30 Mw)
- ✓ IBERDROLA / Worldwide
World leader in wind energy
Supervision of all IBERDROLA wind farms in the world
- ✓ STATKRAFT / Norway
Supervision of the Vessingfoss hydropower plant. The average annual production is 88 GWh



INFRASTRUCTURES

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



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

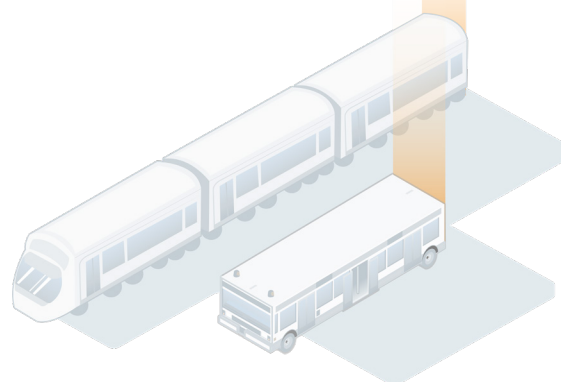
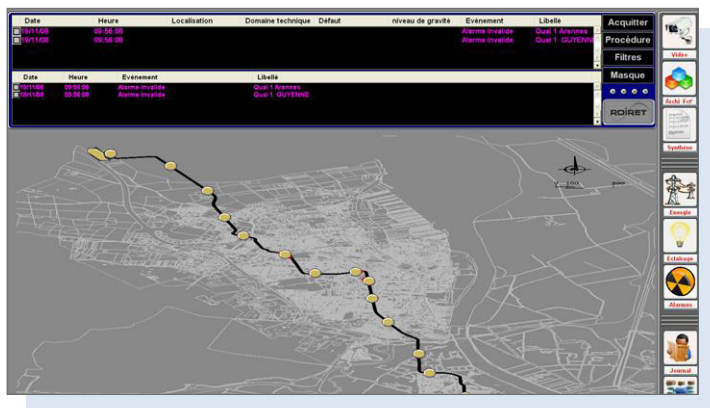


REFERENCES

- ✓ Highways / South of France highways - A10 - A14 - Viaduc Millau
- ✓ Tunnels / Croix Rousse Lyon - Monaco - Mont Serin - Payon - Saint Gotthard - Sanef Autoroute A1 - Paris Tunnels - Side Tunnel Brenner Autriche
- ✓ Airports / Paris - Roissy - Charles De Gaulle - Le Bourget & Orly - Brest - Campia Turzi - Carrasco - Casablanca - Genève - Lille - Maldives - Marseille Marignane - Melbourne - Fiji - Tahiti - Philippines - Nice - Lyon St Exupery
- ✓ Parking lots / Sepadef (Paris la Défense) - Nantes (France) - Aéroports de Paris Orly - Aéroport de Nice - Musée du Louvres - Monaco - Aéroport de Strasbourg - Lyon Park auto ...

TRANSPORTATION

Trains, metros, tramways, bus, electrical vehicles



NEEDS

- Supervision of intra/extra urban transport facilities: monitoring and control, keep in operational conditions
- Contribute to 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, curves ...)
- Report editions that meet the requirements regulatory

REFERENCES

- ✓ Tramways / Lyon – Rabat - Grenoble – Montpellier – Avignon – Angers - Nantes
- ✓ Metros / Lyon – Marseille – Singapore – Istanbul - Santiago du Chili – Le Caire – Adélaïde – Mexico city
- ✓ Bus / Tours – Metz – Lyon
- ✓ Trains / SnCF - Perumka Railway, Train Signaling Main Control Center Colombo (Sri Lanka) - Auckland Train Signalization - Delhi Metro Rail Corporation Ltd. - Melbourne



SUCCESS STORY

FOCUS ON THE PRINCIPALITY OF MONACO

PcVue is involved in the management of many sites in the Principality. Starting with the Hotel de Paris and its shopping center whose BMS is fully controlled by PcVue collecting more than 65,000 tags.

From the Oceanographic Museum of Monaco to the train station or the Meridien Beach Plaza Hotel, PcVue is a privileged partner of the city.

Famous for its prestigious residences, Monte Carlo hosts the Odeon tower the most expensive apartment in the world.

The double skyscraper rising to 170 meters is the first tower of the city to be built in 35 years and the second highest building of the Mediterranean European coast. The PcVue solution is the building management system of the impressive complex.





OPEN CONNECTIVITY SCADA 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 SCADA platform, dedicated to monitoring and control applications.

To answer the needs of performance, robustness and security for power system operators, PcVue delivers an efficient platform to monitor and control any kind of heterogeneous and distributed assets. With a cutting-edge UI, extended built-in drivers for power including IECs and DNP3, versatile architectures and full real time monitoring, data processing and reporting capabilities, PcVue ensures the reliability and availability of power from generation to distribution.

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



CONTINUOUS QUALITY IMPROVEMENT



ARC Informatique is ISO 9001,
ISO 14001 and 27001 certified





Solutions for
Smart City

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