PcVue

LET'S ENGINEER

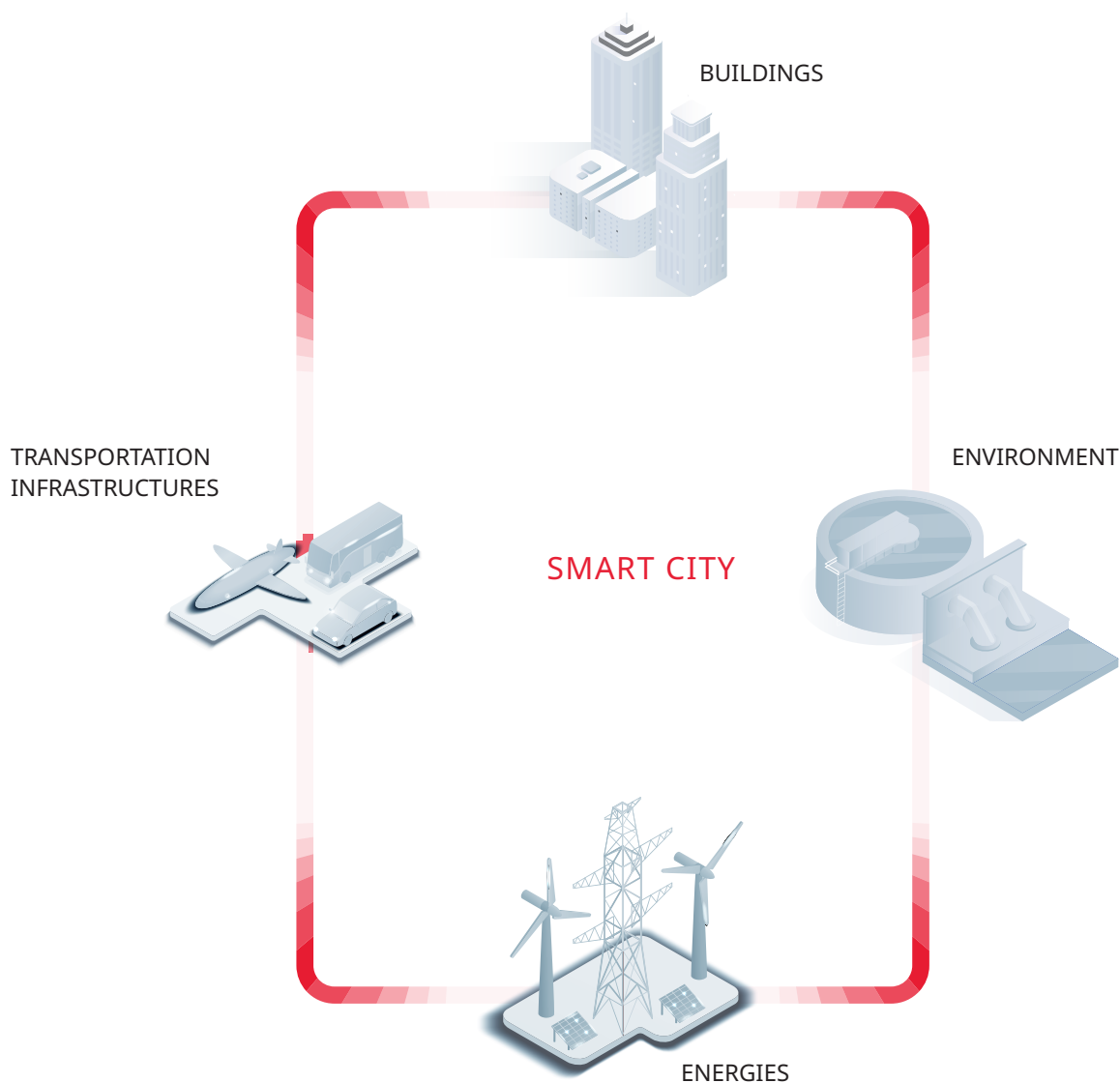**Open connectivity SCADA software platform**
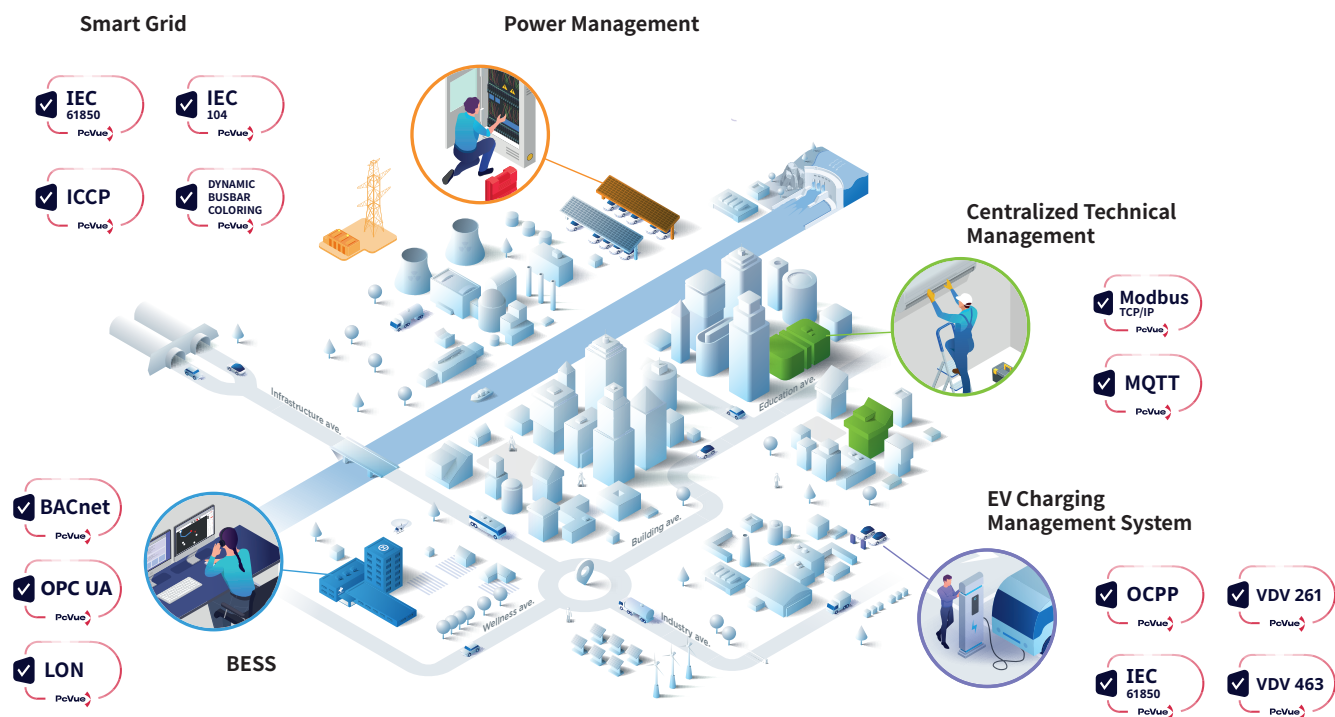
SOLUTIONS FOR SMART CITY

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

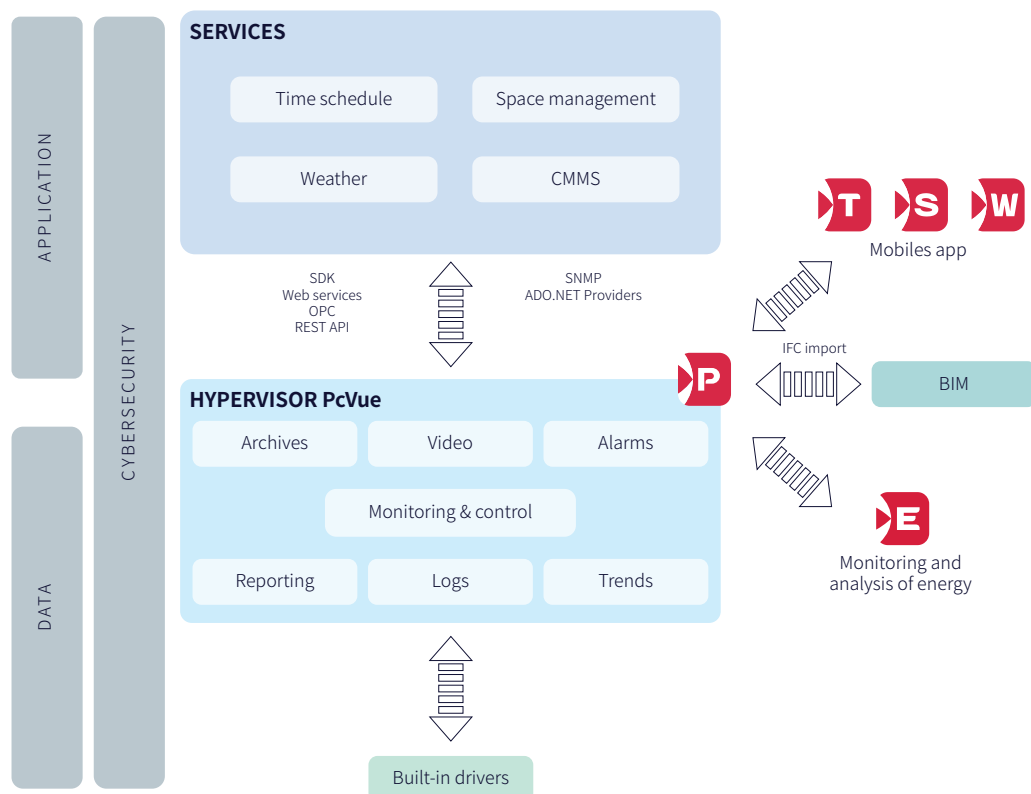# A MONITORING PLATFORM FOR LOW-CARBON AND SUSTAINABLE CITIES

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.

BUILDINGS

TRANSPORTATION INFRASTRUCTURES

SMART CITY

ENVIRONMENT

ENERGIES

- 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 platform 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.

Smart Grid

- ☑ **IEC 61850** PcVue
- ☑ **IEC 104** PcVue
- ☑ **ICCP** PcVue
- ☑ **DYNAMIC BUSBAR COLORING** PcVue
- ☑ **BACnet** PcVue
- ☑ **OPC UA** PcVue
- ☑ **LON** PcVue

BESS

Power Management

Centralized Technical Management

- ☑ **Modbus TCP/IP** PcVue
- ☑ **MQTT** PcVue

EV Charging Management System

- ☑ **OCPP** PcVue
- ☑ **VDV 261** PcVue
- ☑ **IEC 61850** PcVue
- ☑ **VDV 463** PcVue

Infrastructure ave.
Education ave.
Building ave.
Wellness ave.
Industry ave.

❯ FEATURES

APPLICATION

DATA

CYBERSECURITY

SERVICES

- Time schedule
- Space management
- Weather
- CMMS

SDK
Web services
OPC
REST API

SNMP
ADO.NET Providers

HYPERVISOR PcVue

- Archives
- Video
- Alarms
- Monitoring & control
- Reporting
- Logs
- Trends

Built-in drivers

T **S** **W**
Mobiles app

P

IFC import

BIM

E
Monitoring and analysis of energy

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!
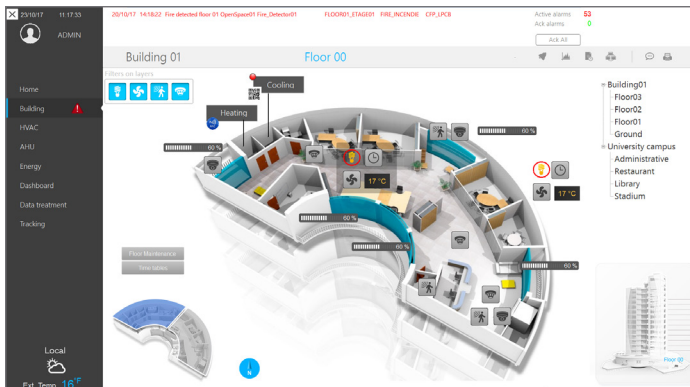
NEEDS

- 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 nfor 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**
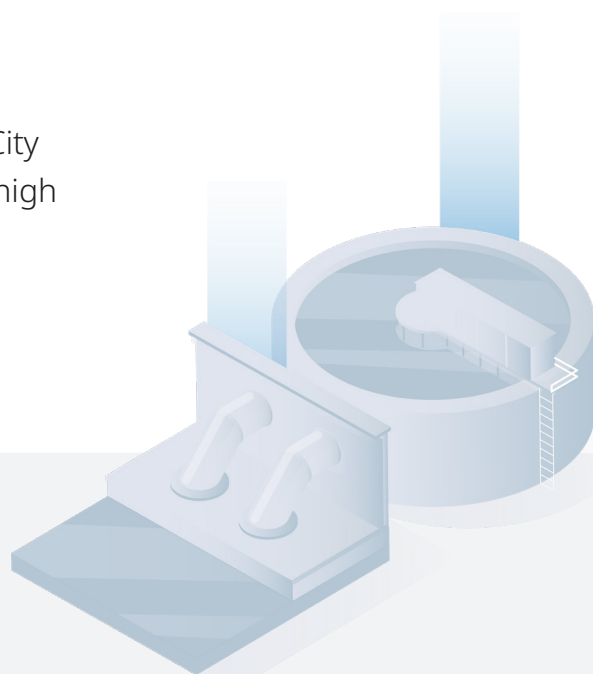 Revamping the BMS of Coeur Defense

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
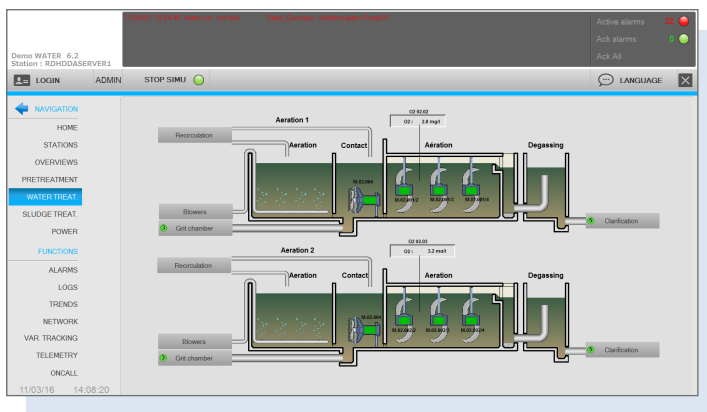
- Telemetry solutions

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.
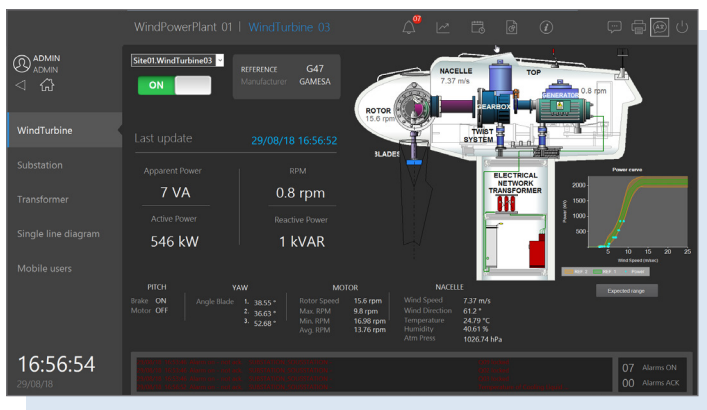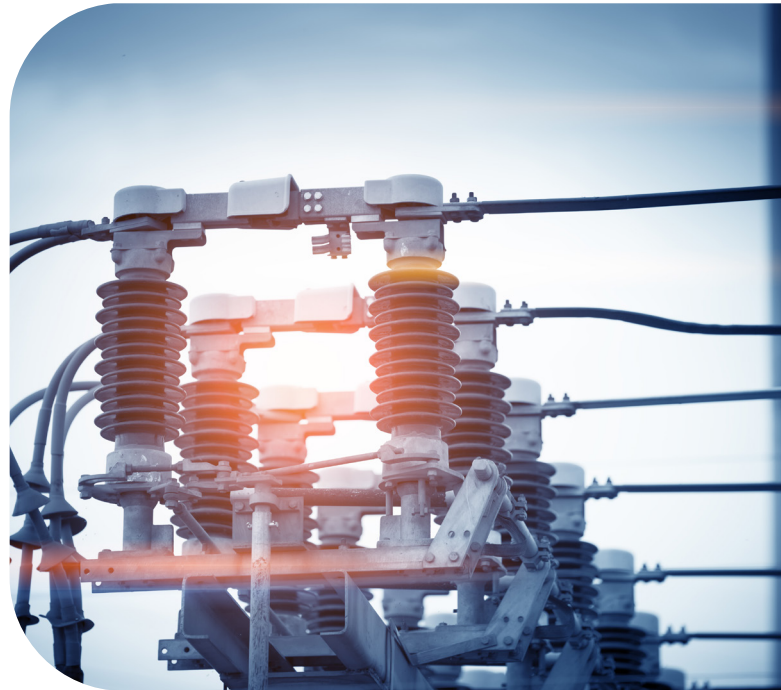
NEEDS

- 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

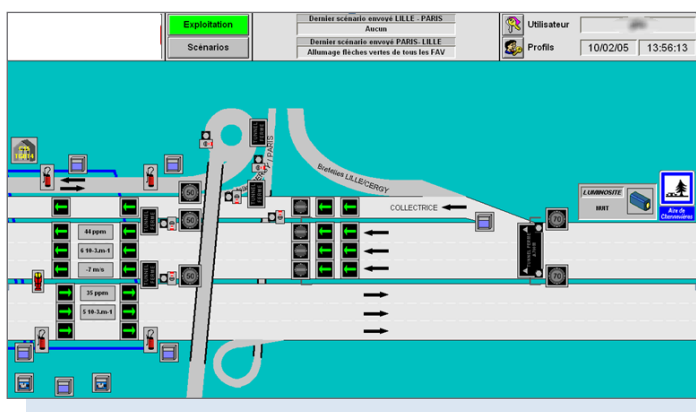- Reliable, scalable and secure architectures

REFERENCES

✓ **Electrabel / Belgium**
Monitoring and control of the Bressoux power plant cogeneration

✓ **Hitaveita Reykjavikur / Island**
Supervision and remote control of devices of the geothermal cental 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 / Norvay**
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
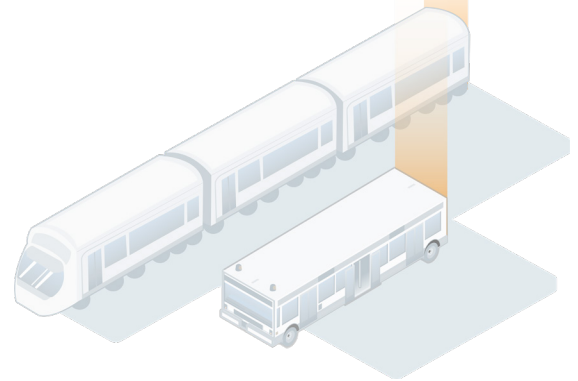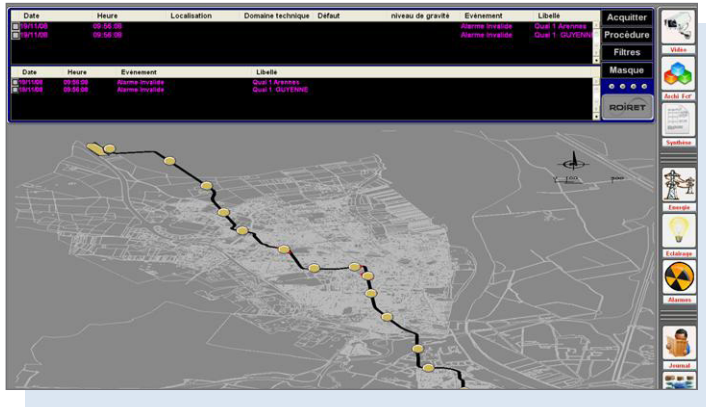- Management of archiving and restitution of data

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 vehicules

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.

The net zero transition is everyone's business. Let's simplify the digital transformation together for more sustainable cities.
Let's engineer

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

16
STRATEGIC
BASES

50+
VAR
WORLDWIDE

200+
LOCAL SI
PARTNERS

CONTINUOUS QUALITY
IMPROVEMENT

Microsoft
CERTIFIED
Partner

swiss safety center
ISO 9001
ISO 14001
ISO 27001
certified system

ARC Informatique is ISO 9001,
ISO 14001 and 27001 certified

OPC
FOUNDATION
MEMBER

KEMA
CERTIFIED

think
SMARTGRIDS

BTL
BACnet
TESTING LABORATORIES

ASHRAE BACnet
INTEREST GROUP EUROPE

PcVue

Solutions for
Smart City

ARC Informatique

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