PcVue

LET'S ENGINEER
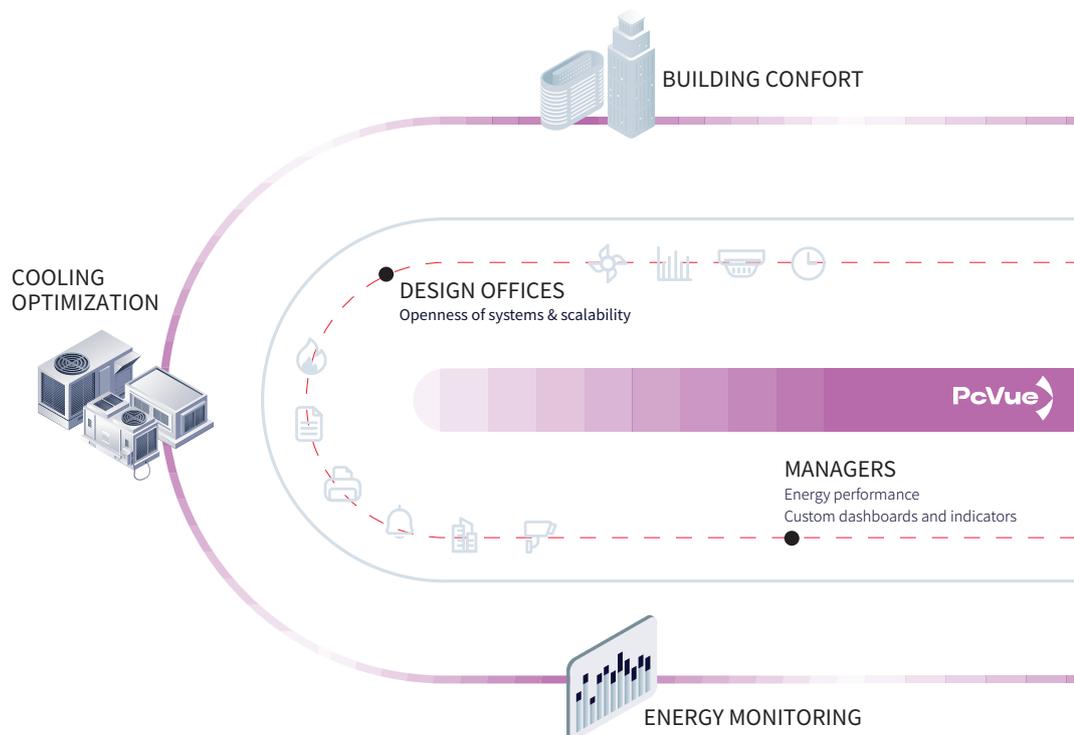
Open connectivity SCADA platform

SOLUTIONS FOR DATA CENTERS
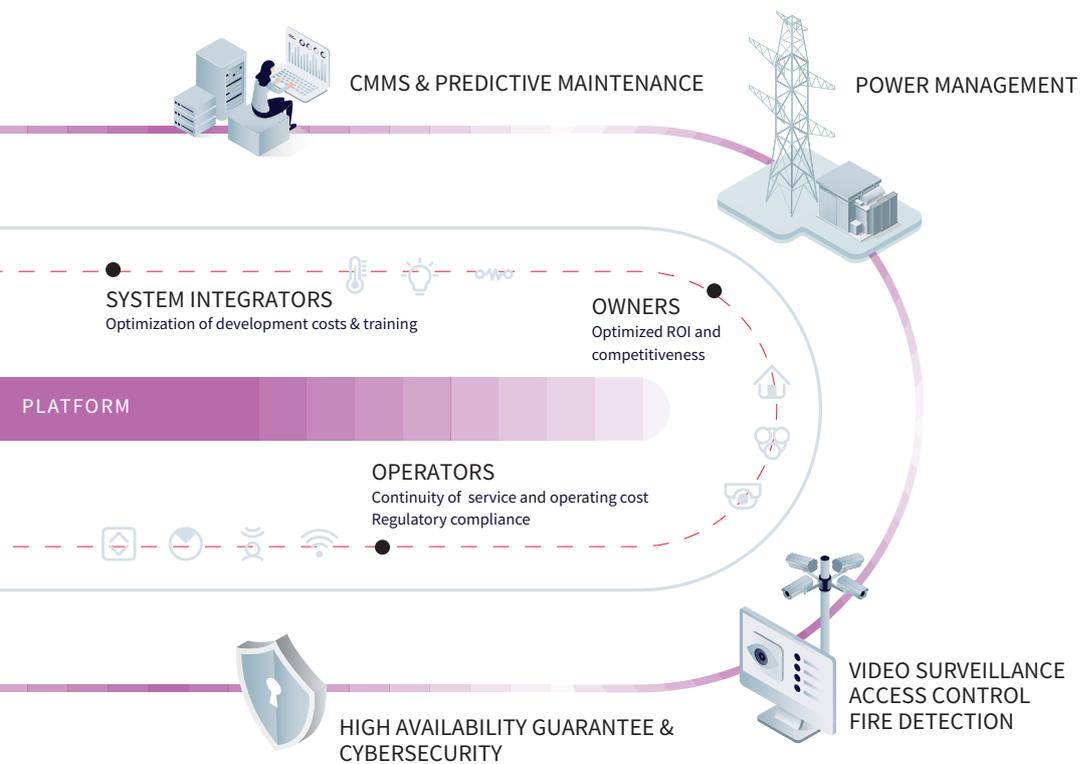
FEATURES

☑ Real-time supervision of critical and/or building infrastructures

☑ Optimized management of alarms and events

☑ Connectivity with CMDB, BMS, DCIM, EPMS via standard protocols (Modbus, SNMP, BACnet, OPC UA, MQTT, etc.) and REST API

☑ Cybersecure by design

• IEC62443-certified

☑ Energy analysis and optimization:

• Dashboards

• PUE (Power Usage Effectiveness), DCIE (Data Center Infrastructure Efficiency), WUE (Water Usage Effectiveness), consumption, etc.

BUILDING CONFORT

COOLING OPTIMIZATION

DESIGN OFFICES
Openness of systems & scalability

PcVue

MANAGERS
Energy performance
Custom dashboards and indicators

ENERGY MONITORING

BENEFITS

☑ Comprehensive control and decision support

☑ Drive all technical lots—energy, HVAC, security, IT—from a unified interface

☑ Full interoperability with extended connectivity

☑ Energy efficiency & operational performance

☑ Optimized energy control through enhanced insight to reduce consumption and costs, while ensuring regulatory compliance

☑ Enhanced smart processing and control with AI-driven prediction and intelligent control

☑ Service continuity

☑ Integrated cybersecurity and compliance

☑ Reduced operational costs

☑ Centralized supervision across systems

☑ Optimized energy consumption

☑ Fewer on-site interventions

☑ A software foundation that adapts to system evolution

A FULL FEATURED PLATFORM FOR DATACENTERS

CMMS & PREDICTIVE MAINTENANCE

POWER MANAGEMENT

SYSTEM INTEGRATORS
Optimization of development costs & training

OWNERS
Optimized ROI and competitiveness

PLATFORM

OPERATORS
Continuity of service and operating cost
Regulatory compliance

HIGH AVAILABILITY GUARANTEE &
CYBERSECURITY

VIDEO SURVEILLANCE
ACCESS CONTROL
FIRE DETECTION

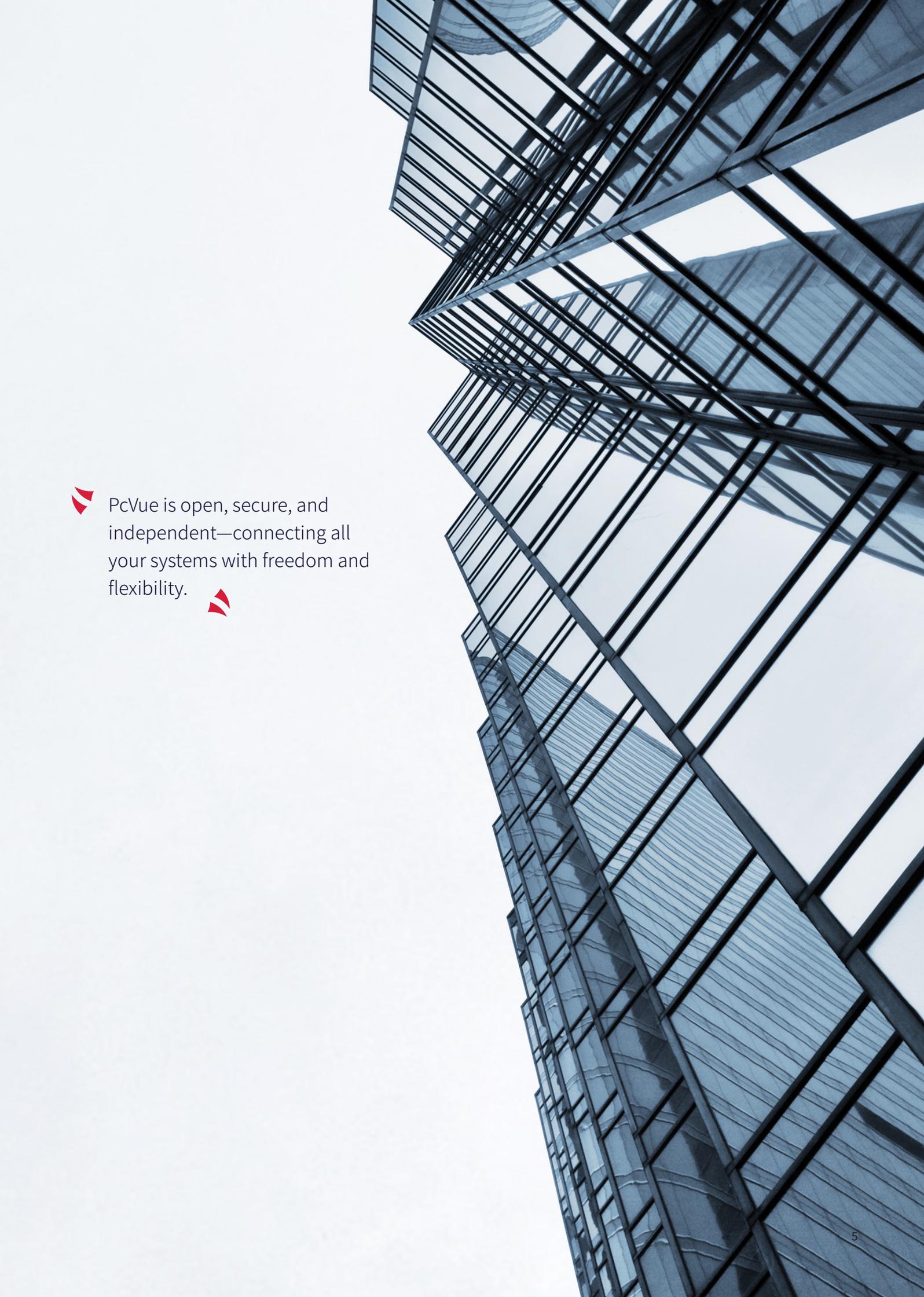PcVue lets you monitor all critical IT assets and building systems from a single, intuitive interface

TRUSTED BY GLOBAL LEADERS ACROSS INDUSTRIES

Among our users are several global leaders in independent data center hosting, as well as major companies from various sectors - banking, insurance, and industry.
These organizations rely on highly secure and connected environments, ensuring the reliable hosting of their web and IT infrastructures.

PcVue is open, secure, and independent—connecting all your systems with freedom and flexibility.

A UNIFIED PLATFORM FOR THE GLOBAL TECHNICAL MANAGEMENT OF DATA CENTERS

Data centers, regardless of their size or operating model, rely on a complex ecosystem of technical and IT systems. Their control requires a refined mastery of energy performance, service continuity, and operational security.

Our platform addresses these challenges by connecting, as needed, all or part of the technical and IT systems, to offer unified and scalable supervision of the site. It adapts to every operating context and allows for the progressive expansion of the supervision scope as needs evolve.

It integrates with existing environments and natively connects to all systems:

BMS/BCS: Supervision of electrical architectures, hydraulic schematics, air conditioning, generators, UPS (devices, batteries), technical networks, and operational dashboards.

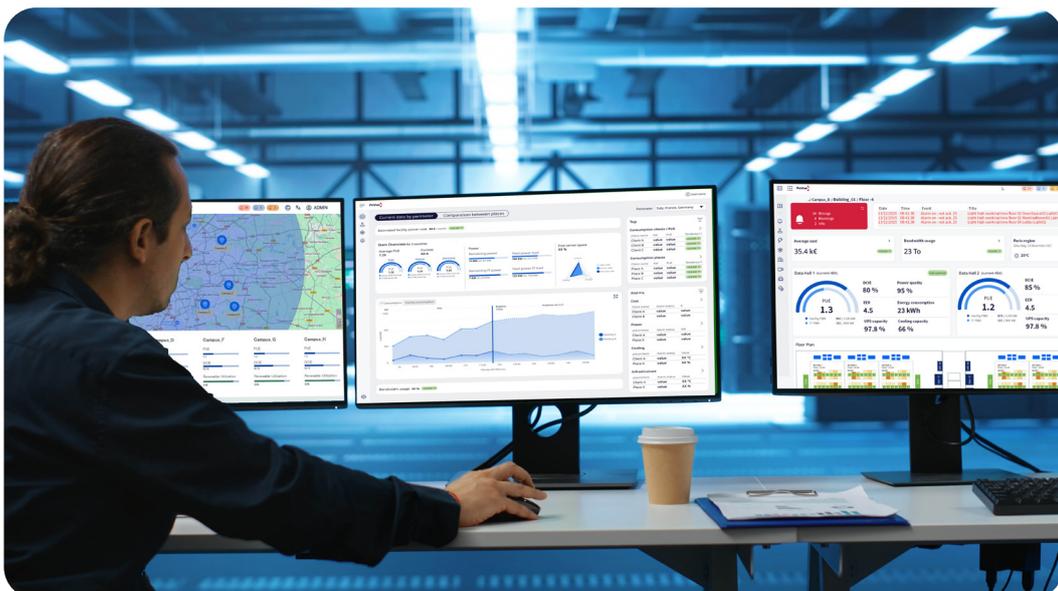**EPMS**: Management and analysis of electrical equipment.

CMMS and Predictive Maintenance: Asset tracking and anticipation of failures.
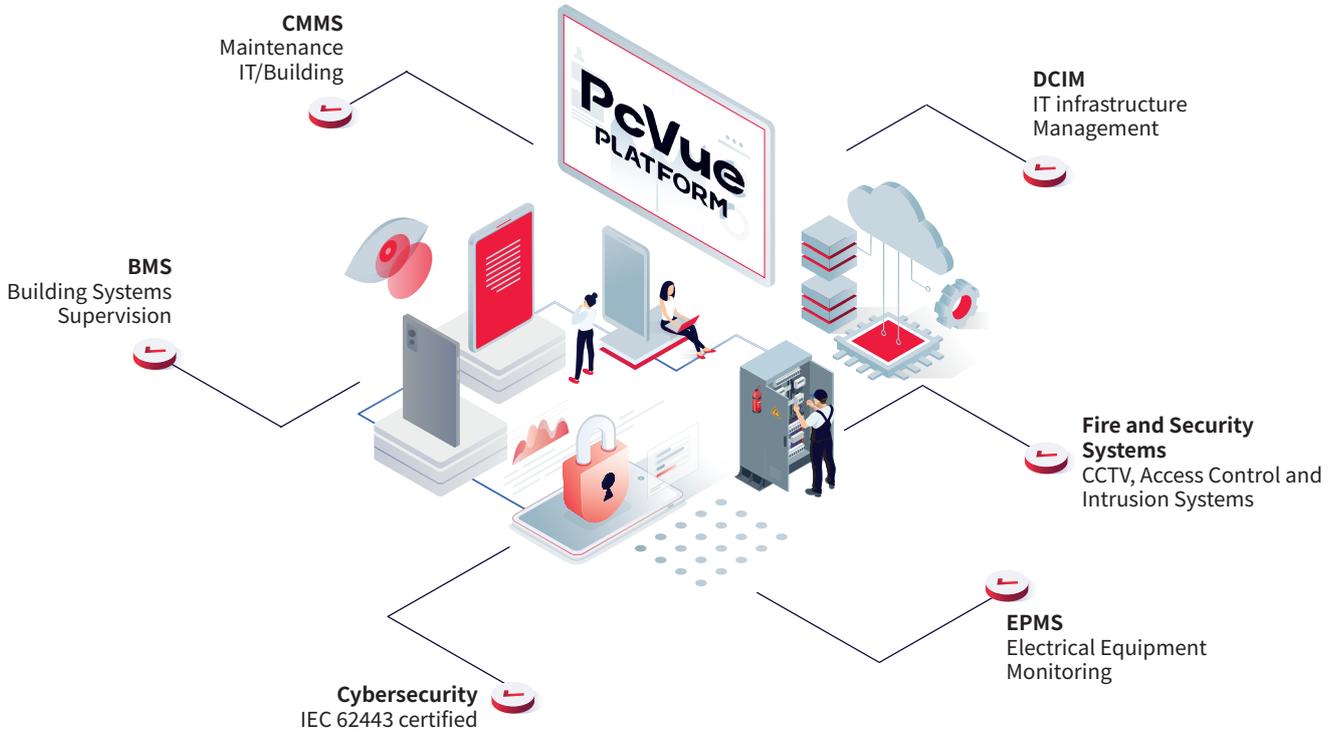
Fire Detection, Security, and Video Surveillance: Access control, supervision of security personnel, and intrusion management.

DCIM: Integration of IT infrastructures (networks, rack cooling, servers, performance indicators such as PUE, temperature, SNMP load, etc.).

Cybersecurity: IEC 62443-certified, the PcVue platform safeguards critical infrastructure and keeps data centers operating.

Designed for critical environments, the solution offers modular deployment that meets architecture and security constraints. Its flexible and scalable design supports the technological evolution of the data center, while its unified interface ensures centralized operation, a global vision, and rapid, reliable decision-making.
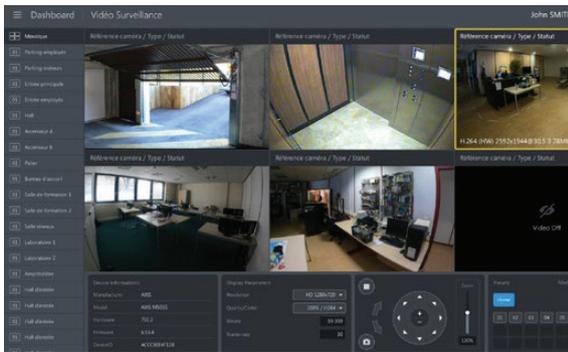
CMMS
Maintenance
IT/Building

DCIM
IT infrastructure
Management

BMS
Building Systems
Supervision

PcVue
PLATFORM

**Fire and Security
Systems**
CCTV, Access Control and
Intrusion Systems

EPMS
Electrical Equipment
Monitoring

Cybersecurity
IEC 62443 certified

PcVue STREAMLINING THE OPERATOR'S EXPERIENCE

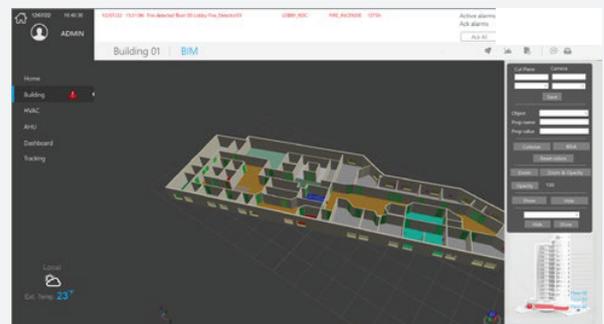## OPTIMIZING CONTROL & DECISION MAKING

Through an advanced UX/UI engine.

DISPLAY & CONTROL

☑ User-friendly and customizable UX/UI design

☑ Display asset status in real-time

☑ Supervise and control the equipment

☑ Management of comfort settings based on time slots defined through a web interface

☑ Remote control from smartphone or tablet

☑ Display and control of video surveillance systems

☑ Video interfaces (RTSP, ONVIF)

ADVANCED FEATURES FOR DATA DISPLAY

☑ Data display by zone, equipment, use …

☑ Real-time and historical data trends

☑ Comparison trends

☑ Threshold display

☑ Export of trend data to Excel

☑ BIM 3D viewer

MAXIMIZING ENERGY EFFICIENCY

Smarter Energy, Lower Cost.

MONITORING AND ANALYSIS OF ENERGY PERFORMANCE

- ☑ Ready-to-use dashboards
- ☑ PUE performance indicators
- ☑ Consumption reports by period

PREDICTIVE AI AND OPTIMIZATION SCENARIOS

- ☑ Predictive load forecasting
- ☑ Smarter cooling optimization
- ☑ Better COP and lower energy use

ENSURING SYSTEM AVAILABILITY AND OPERATIONAL MAINTENANCE

Preventive and operational maintenance of installations
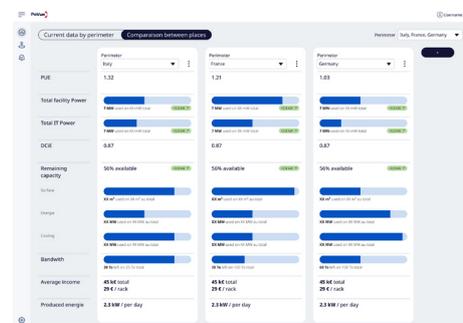
ALARMS & EVENTS MANAGEMENT

- ☑ Advanced visualization of real-time alarms
- ☑ Alarm notification via SMS, mobile app, or email
- ☑ Lists of historical time-stamped events
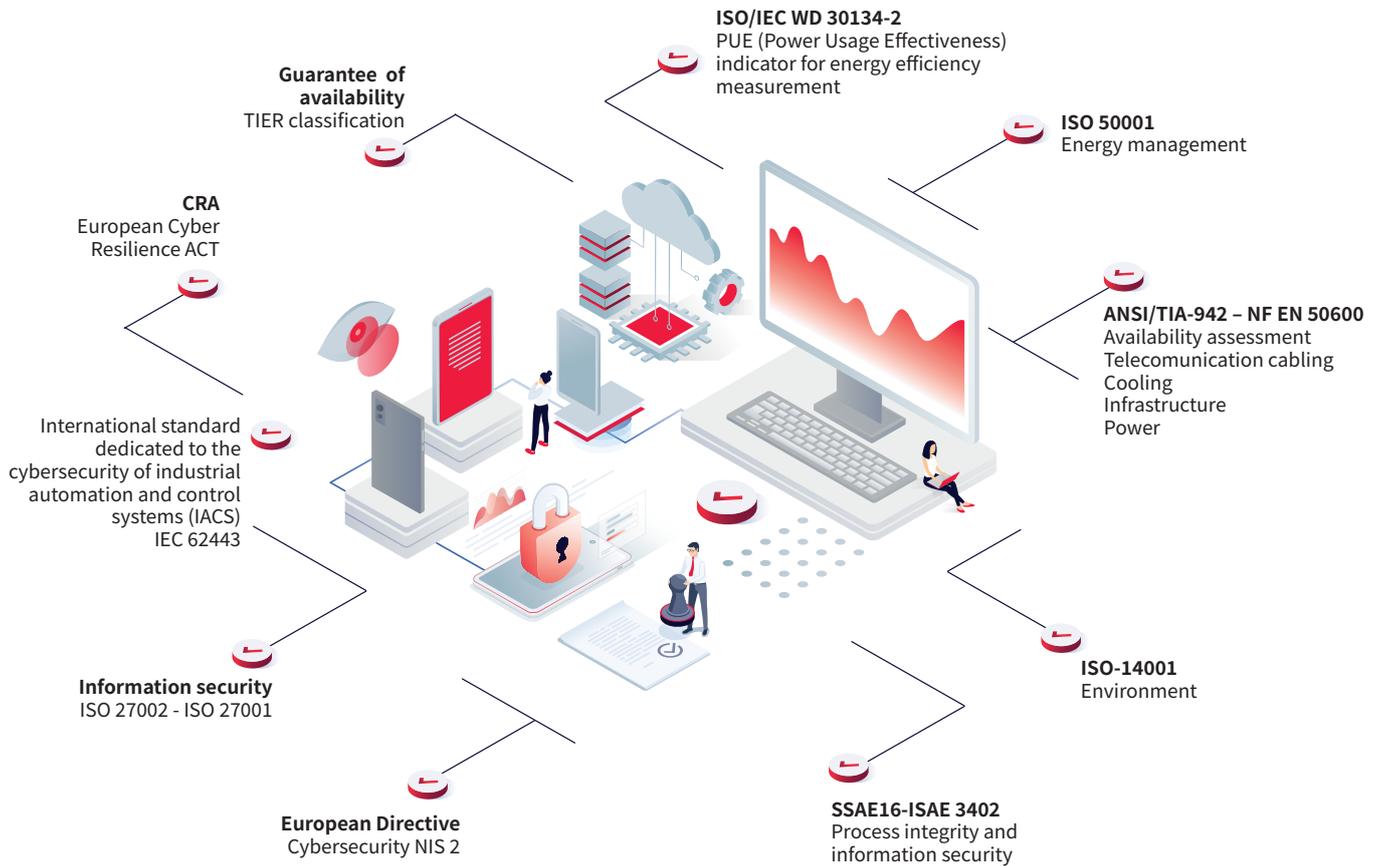- ☑ On-call module for effective incident management

IMPROVING ROI

Advanced insights and KPIs

OPERATING DATA PROCESSING

- ☑ Advanced Analytics: automated PUE/DCIE calculations, temporal comparisons
- ☑ Coordinated consumption control
- ☑ Real-time customizable dashboards for each user

ISO/IEC WD 30134-2
PUE (Power Usage Effectiveness) indicator for energy efficiency measurement

Guarantee of availability
TIER classification

ISO 50001
Energy management

CRA
European Cyber Resilience ACT

ANSI/TIA-942 – NF EN 50600
Availability assessment
Telecomunication cabling
Cooling
Infrastructure
Power

International standard dedicated to the cybersecurity of industrial automation and control systems (IACS)
IEC 62443

Information security
ISO 27002 - ISO 27001

ISO-14001
Environment

European Directive
Cybersecurity NIS 2

SSAE16-ISAE 3402
Process integrity and information security

PcVue

ARC Informatique is
IEC62443-4-1
certified

SECURING SERVICE CONTINUITY & CYBER RESILIENCE

❯ ALWAYS ON, ALWAYS PROTECTED

Data centers are at the heart of the global digital transformation. As critical infrastructures par excellence, they must guarantee availability, security, and energy efficiency within an increasingly demanding regulatory framework.

The PcVue platform supports operators in this effort by allowing them to concretely meet the main international standards while optimizing the site's technical management.

PcVue integrates into your site's compliance systems regardless of the level of security and desired availability level (Tier I to IV).

NF EN 50600 – PcVue contributes to compliance with this reference standard for data center design and energy efficiency. By supervising electrical, thermal, and environmental installations, the platform allows for the monitoring, analysis, and improvement of PUE, all while guaranteeing service continuity.

IEC 62443 - International standard dedicated to the cybersecurity of industrial automation and control systems (IACS). ARC Informatique is IEC 62443 certified.

ISO 27001 – Information security is central to the PcVue system. Access control, action traceability, and user rights segmentation ensure secure management that is compliant with the standard's requirements.

NIS 2 Directive – By promoting operational and cyber resilience, PcVue helps operators strengthen their cybersecurity posture and guarantee the availability of critical services.

BACS Decree – PcVue meets the obligations for the supervision and control of building technical systems, ensuring intelligent energy control and better environmental performance.

PcVue offers data centers a comprehensive solution to combine compliance, performance, and durability.

DATA CENTERS SUPERVISION

NEADS

☑ Monitor and control the electrical distribution and air conditioning infrastructure of the facilities in a centralized manner

☑ Key performance indicators (PUE)

☑ Easily interface systems and equipment of different types

SOLUTIONS

☑ A centralized system for monitoring data center infrastructures

☑ Multi-protocol, open and scalable system

☑ Ability to provide comprehensive reports dynamically

KEY POINTS

- Adaptable to sites of all sizes

- Respond in accordance with international standards for information security and environmental management

- Integration of third-party systems

- REST API enabling interoperability

BENEFITS

- Reduced development costs thanks to an easily scalable system

- Ability to view electrical consumption by sector

- A real data hub allowing the provision of key performance indicators

- Compatible to comply with ISO 27001 (Information Security Management) and ISO 14001 (Environmental Management) standards
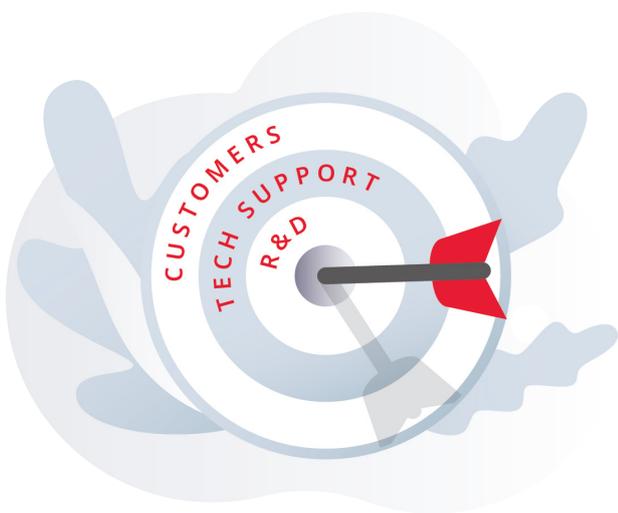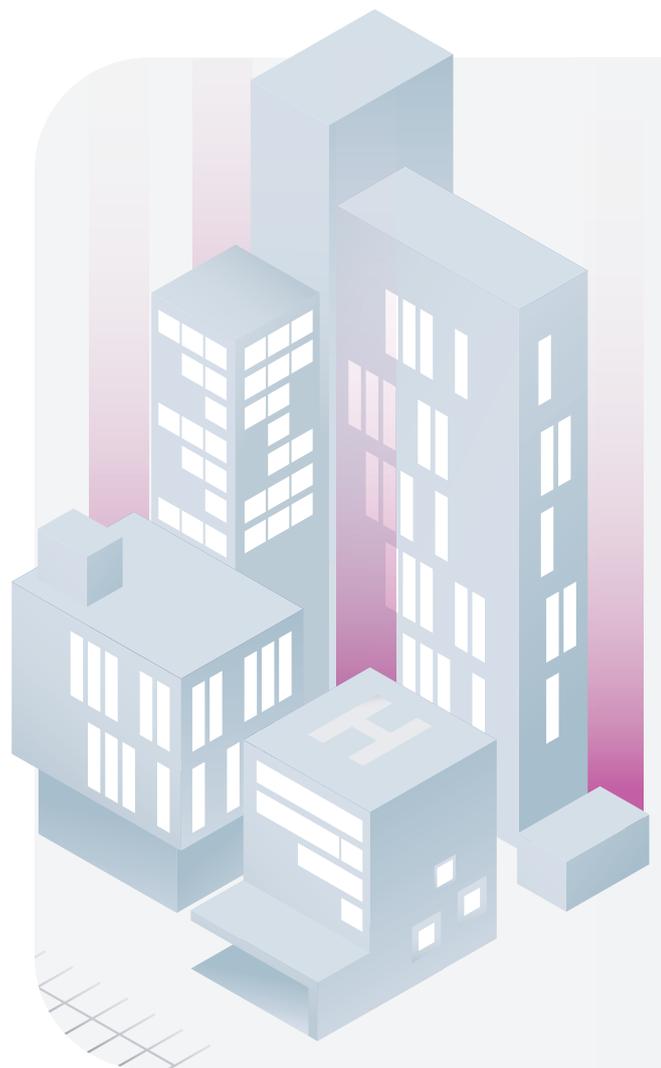
OPEN CONNECTIVITY SCADA SOFTWARE PLATFORM

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.

PcVue is a hypervision platform that unifies the supervision of both critical IT infrastructure and building systems within the data center.
By centralizing real-time monitoring and control of power, cooling, and IT assets alongside HVAC, lighting, and security systems, it provides a comprehensive operational view. This unified approach improves availability, reinforces site security, and enables smarter energy management across the entire facility.

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, ISO 14001, ISO27001 and IEC62443 certifications ensure quality, sustainability, and security in our development processes from design to delivery.

A CUSTOMER-ORIENTED APPROACH

Listen to and support our customers, develop and adapt our solutions through R&D, and provide 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 ISO 27001 certified

BTL · BACnet · TESTING LABORATORIES

ASHRAE **BACnet®**
INTEREST GROUP EUROPE

PcVue
ARC Informatique is
IEC62443-4-1
certified

ARC Informatique is IEC 62443
and IEC 61850 certified

Solutions for
Data Centers

ARC Informatique

✉ arcnews@arcinfo.com
🌐 www.pcvue.com

ARC Informatique is ISO 9001,
ISO 14001 and 27001 certified