

CERTIFICATIONS



Clemessy Tabelec has obtained the KEMA KEUR certificate for Cubic switchboards. This certificate allows it to be recognised as «original manufacturer» of the system with regard to the new switchboards standard IEC 61439-2. This internationally recognised certification was carried out by the Cubic R&D department and by the certification body Dekra in Holland.

OUR ENVIRONMENTAL COMMITMENT

CLEMESSY undertakes to reduce the impacts on the environment and greenhouse gas emissions by putting in place an environmental approach and environmentally friendly practices.

Within this context, we undertake to make a contribution towards our customers' environmental approach in order to:

- reduce and measure environmental impacts
- master energy consumptions
- reduce carbon emissions
- optimise waste management



Clemessy subsidiary of the Eiffage group

With over 100 local offices and subsidiaries in France and abroad, the Clemessy Group ensures you availability and responsiveness in line with your requirements.



DATA CENTER



06/2016 Conception & réalisation : Clemessy Communication



18 rue de Thann
BP 52499
68057 MULHOUSE CEDEX 2
FRANCE

Contact us :
+33 (0)3 89 32 32 32
+33 (0)3 89 32 32 03

www.clemessy.com

DESIGN | INTEGRATION
MAINTAINING OPERATIONAL READINESS

Dedicated to data centers

TECHNIQUES MASTERED

IT ROOM URBANISATION

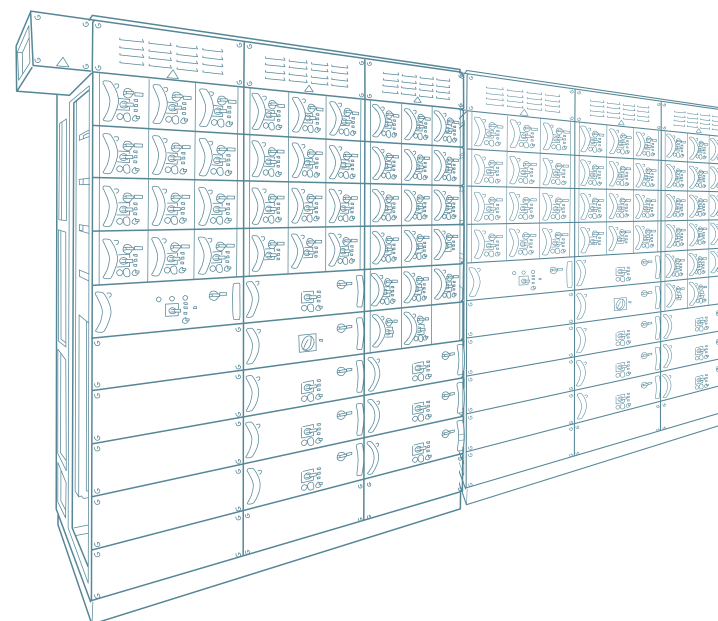
The urbanisation of an IT room is a major element in achieving optimum efficiency for your data center.

Our offer takes into account the architectural aspects around the process, via the arrangement of racks, the false floor, the management of thermal flows, along with IT connectivity.



CUBIC SERIES MAIN LV BOARDS

- Technology based on withdrawable drawers, disconnectable or fixed plates
- Current up to 7,000 A
Maximum short-circuit current : $I_{cw} = 120 \text{ kA}$
- Continuity of service : IS 111 to 333
- Conformity with CEI/EN 61439-2 standard
- Certification with KEMA KEUR mark of conformity



ELECTROTECHNOLOGY

- Electrical power transmission and distribution
- MV/HV substations and lines
- HV/LV switchboards
- High-quality electrical security
- High-availability uninterruptible power systems
- Generator sets, inverters
- No-break
- Tri-generations
- Urbanisation of the high-density IT rooms
- IT room performance test

SAFETY OF PROPERTY AND PEOPLE

- Fire detection
- Gas, water spray fire extinguishing
- Lightning protection, E.M.C.

COMMUNICATION

- Telephony and intercom
- Radiocommunication
- IT networks (copper / optics)
- Deployment of fibre optics (LAN, MAN & FTTH)
- Wireless networks

HEATING VENTILATION AIR CONDITIONING

- Air conditioning & cooling
- Hot/cold aisle containment
- Upgrading & securing energy chains (Uptime Institute)
- IT room performance test
- Thermal simulation
- Vibration monitoring of the HVAC/Aircon systems

CONTROL AND SUPERVISION

- CTM / TBM
- Hypervision/Multi-site control
- Technical alarms
- DCIM : operating and analysis tools

MAINTAINING OPERATIONAL READINESS

- Audit & Consultancy
- Maintenance engineering (OR, ILS)
- Technical management and operation
- Progress plan

ENERGY EFFICIENCY: CLEM'SEE

- Supervision
- Energy monitoring and balance
- Optimised building management
- Improvement of PUE (Power Usage Effectiveness)
- Reduction in carbon footprint

MOBILE ENERGY STATION

Implementation of a modular energy solution, offering ease and flexibility of use for your IT production.

This offer is designed for periodic or transitional requirements of energy power in your IT rooms.

SECURITY PROTECTION

- Access control and management
- Anti-intrusion, biometric control
- Automatic doors and openings
- Video-surveillance
- Perimeter protection

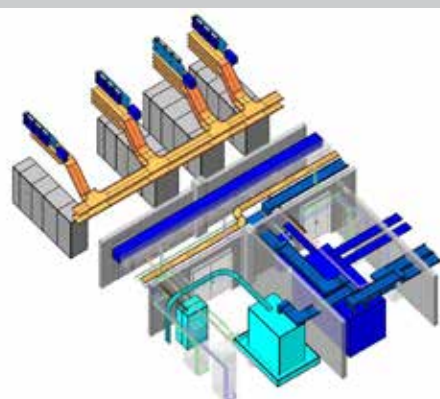
YOUR TURNKEY PROJECT

With the wealth of expertise in the real estate, construction and energy sectors deployed within the Eiffage group, we are able to build your turnkey project:

- eligibility of site
- construction involving all trades
- maintaining operational readiness

B.I.M (BUILDING INFORMATION MODELING)

- Design of 3D layouts
- Smoother organisation and interfacing
- Anticipation of operating procedures via complex modelling
- Database able to be exported to your DCIMs
- Monitoring and vision of your improved evolutions



With a wealth of over 20 years' experience in the field of telecommunications and our ongoing commitment to support our customers in their innovations, Clemessy is your benchmark partner when it comes to your data center construction and refurbishing projects.

As a preferred partner for industry, our expertise is recognised by the most demanding companies in fields such as nuclear, space or aerospace. This experience allows you to benefit from contacts who share your challenges in terms of reliability, security and energy savings.