

Building management

Application: all commercial and industrial buildings

Monitor your building's power supply and control HVAC, lighting, and blinds

“ I want to deliver the level of comfort my building's occupants expect while limiting energy costs. I also need to ensure that my equipment is available and keep operating and maintenance costs to a minimum. ”

Install a **Building Management System** to monitor and control your building's equipment and provide energy consumption data

Based on the TAC Vista Building Automation and Control System, the solution integrates the best of both power monitoring functions and HVAC, lighting, and blind control capabilities thanks to data acquisition via Xenta 731 multi protocol IP controllers.

The solution provides comprehensive managed energy data covering water, air, gas, electricity, and steam (WAGES) via TAC Xenta 400 I/O modules or additional PM850 digital inputs. Electric metering is provided by the PM meter range and Masterpact and Compact NSX meters with built-in protection. TAC Xenta 4XX and 3XX controllers run HVAC, lighting and blinds, as well as loads and power sources.

TAC Vista software provides advanced data management, including

- Load aggregation, multi-site meter aggregation and trending, bill verification, cost allocation and sub-billing
- Trigger on complex conditions, alarming, event logging, power quality analysis and compliance monitoring
- Coordinated control functions and complex calculations

Advanced information delivery

- Web-enabled, local or remote preconfigured and custom reports
- Manual, scheduled or event-triggered reports via email or web
- Trend graphing for any parameter measured
- Analysis of efficiency, losses, and capacity

Scalable architecture

- IP-based communication via existing building IT infrastructure
- Internet communication tools for remote or local operation

Solution

Benefits

For the user

Helps achieve European Building Automation and Control System standard IEC EN15 232 target savings for different controls

> Heating energy savings of around **30%**

> Electrical energy savings of around **13%**



+ Advanced TAC tools deliver increased efficiency to system integrators and contractors

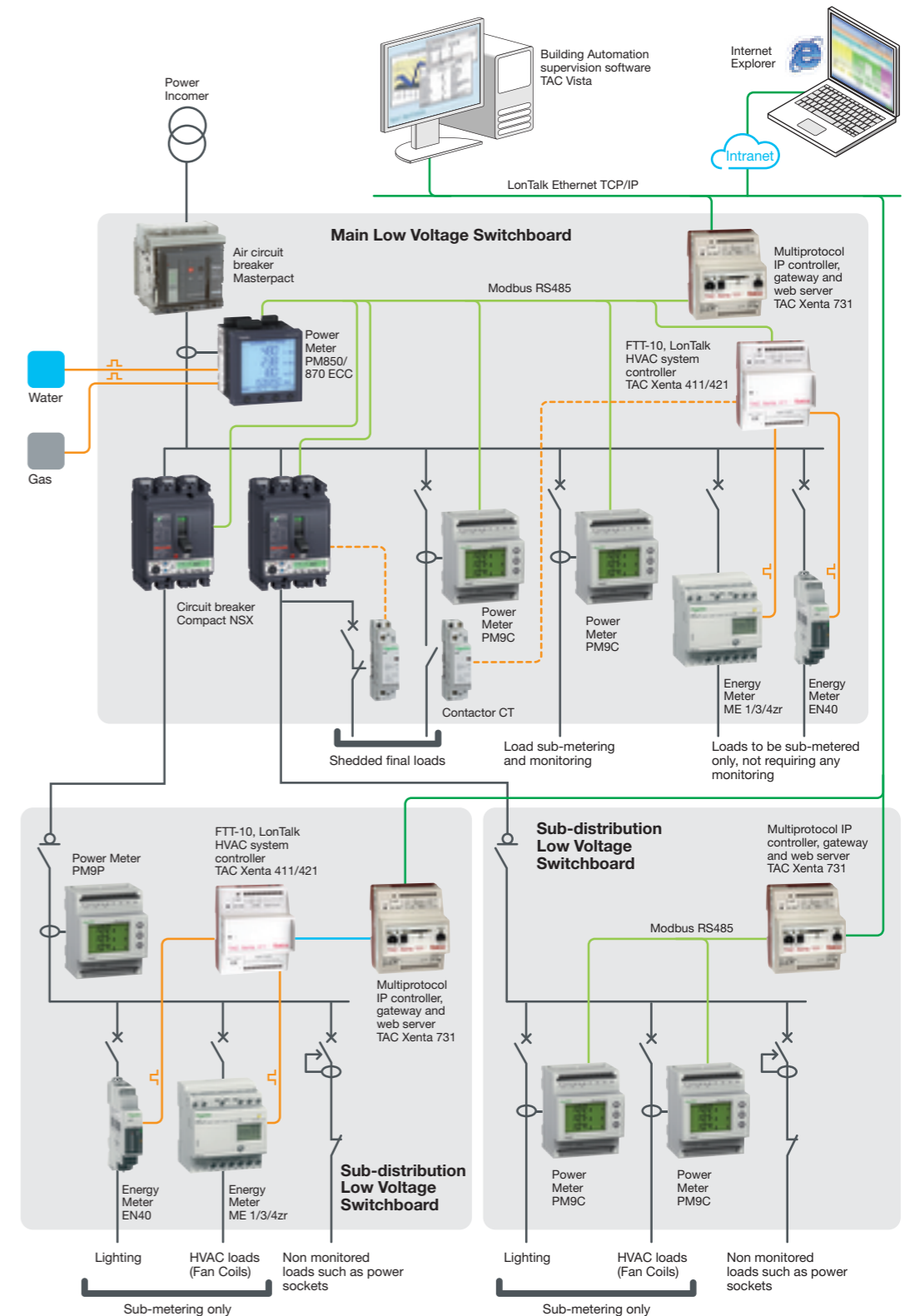
+ Compatible with all Schneider Electric metering devices

+ Powerful customization for easy implementation of all power control functions

+ Highly scalable system, hardware, and software architectures for maximum cost effectiveness

+ Remote alarming, reporting, and operation for reduced on-site presence

- Measure
- Reduce energy consumption
- Reduce energy costs



TAC Xenta 731 multiprotocol controllers provide a broad array of communication capabilities

- Open LonWorks® field bus compatible with multi-vendor equipment:
 - Fan coil, cold beam or air handling unit controllers

- Lighting controllers
- Sensors and actuators
- Modbus communication for power monitoring and control

