SEGMIC ENGINEERING

Solution Empowered by Innovations

Solutions for Energy-Efficient Building Automation

Building Automation with PLC based Control

As a specialist in PLC-based control, Segmic specialize in delivering advanced control systems for complete building automation. Our integrated approach combines powerful software, flexible controllers, and modular I/O systems to provide scalable automation solutions for a wide range of applications—from commercial buildings and industrial facilities to hospitality, healthcare, and infrastructure projects.

Our solutions are designed for adaptability and long-term performance, making them ideal for both new developments and retrofit projects. With our expertise in platforms such as Siemens, Allen Bradley, Emerson and many more, we offer tailored automation that meets the specific requirements of each project, including intelligent room control, energy management, lighting, HVAC, and access systems.

From factories, warehouses, and logistics hubs to research centers, universities, and cultural venues like theaters and concert halls, we support automation that enhances efficiency, comfort, and control. Our systems are equally suited to infrastructure environments such as tunnels and transport stations, as well as sports and institutional buildings.

We ensure seamless integration with external and legacy systems, supporting communication protocols like Modbus, BACnet, KNX, DALI-2, M-Bus, SMI, DMX, EnOcean, and more. Additionally, we enable edge and cloud connectivity with support for both private and public cloud infrastructures.

Application areas for the Segmic control solution

1. Industrial Buildings
2. Office Buildings
3. Residential Buildings
4. Hotels
5. Educational Facilities
6. Infrastructure
7. Theaters & Stages
8. Research Facilities
9. Hospitals

IRENA HQ, Abu Dhabi, UAE

Raffles The Palm, Dubai, UAE

Centro Rotana Hotel, Dubai, UAE

Etihad HQ, Abu Dhabi, UAE

Incubator Building, Abu Dhabi, UAE

From individual technical systems to energy-efficient complete solution

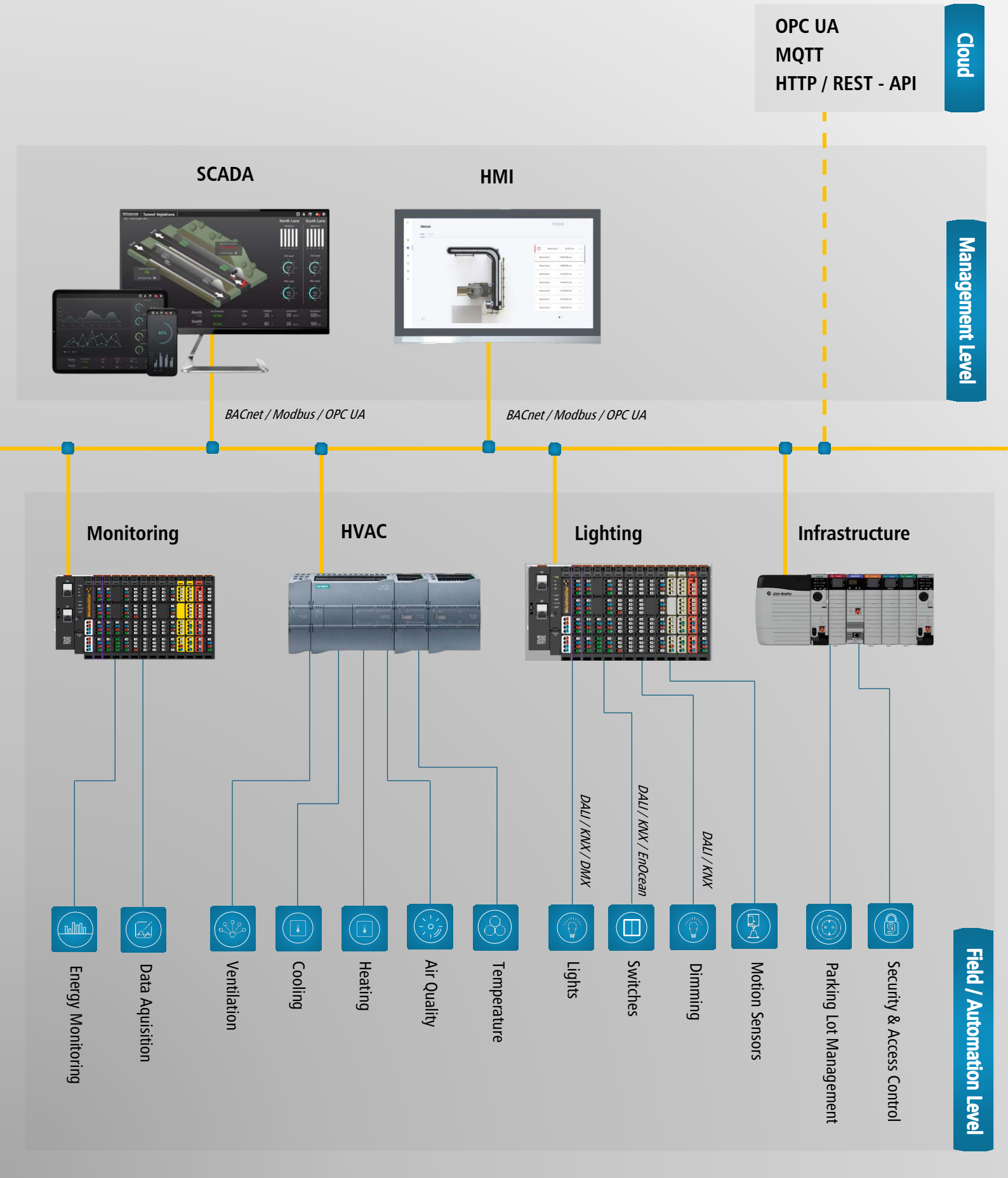
All technical systems integrated in one control system:

- Lighting, Shading and Facade control
- HVAC
- Energy monitoring
- Cloud integration
- Security and Access control
- Events and data acquisition

All components for smart building automation

At Segmic Engineering, we enable the automation of even the most complex building systems in a comprehensive, scalable, and future-ready manner. Our flexible automation platforms allow for seamless integration of decentralized I/Os and third-party subsystems through advanced communication interfaces and bus technologies.

This approach not only ensures efficient system architecture but also significantly reduces cabling requirements—minimizing installation time, cost, and fire load risks.



More about Segmic

Website

Segmic Engineering FZE

Office 1114, SIT Tower, P.O. Box 342014
Dubai Silicon Oasis
United Arab Emirates
Phone: +971 43390576
+971 543226554
info@segmic.com
www.segmic.com

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual application do not always apply as described or which may change as a result of further development of the system. An obligation to provide the respective characteristics shall only exist if expressively agreed in the terms of contract.

We reserve the right to make technical changes.