The Local Control Network (LCN) is an automation solution spanning all subsystems for buildings of all sizes, right through to large commercial and industrial facilities and office environments. The LCN controls functional areas with regard to lighting, security, energy efficiency and comfort. Integrated solutions are provided to control and adjust lighting, heating and shading, and to restrict access.

Intelligent and autonomous bus modules communicate via a wire of the existing building cabling, and can independently perform logical, arithmetic and control functions. All modules can access each other’s data and use it in their own functions. Each module can be extended with sensors, relays, digital inputs and outputs, and motor controls. A wide variety of interfaces, including 0-10 V control, DALI, BACnet and Modbus, are available for this purpose and can be incorporated into the LCN and existing infrastructures, combining sensors and actuators to form a single functional unit. With 1,000 to 10,000 telegrams/second at the upper bus level and 100 telegrams/second at the lower, LCN can also be used to operate very large factory installations in a high-performance, reliable manner.

Complex and powerful technical building automation that can be incorporated via open, standardized interfaces into almost any system architectures for adjustment and control functions in buildings. Cloud technologies can also be incorporated in accordance with the applicable standards.