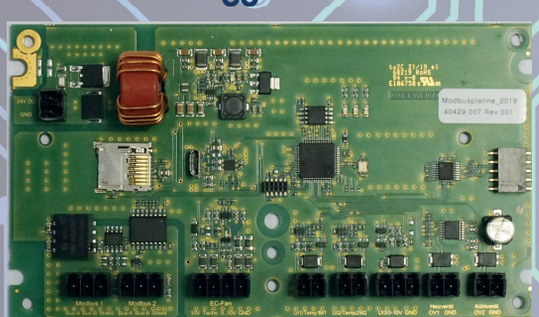
AIR TECH SYSTEMS

Decentralised control intelligence for LTG air-water systems

LTG Connected Intelligence



On-demand ventilation even without BMS*: with decentralised control intelligence

* Building management system

Innovative automation solution

- Relocation of the control tasks for energy-efficient air conditioning on the local field level
- Simple implementation of energy-efficient demand-based ventilation and innovative ventilation concepts (tangential, night, hybrid ventilation)
- High flexibility from self-supporting stand-alone solutions (master/slave) or BMS connection, as well as simple scaling for expansion/re-equipment

Decentralised control intelligence

- Independent, demand-oriented and energy-efficient control of the units
- Manufacturer know-how integrated in the unit, wired and tested at the factory
- Open bus communication and simple expansion/scaling capacity
- At least 50% savings for investment/installation costs for the ICE

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Air-water systems

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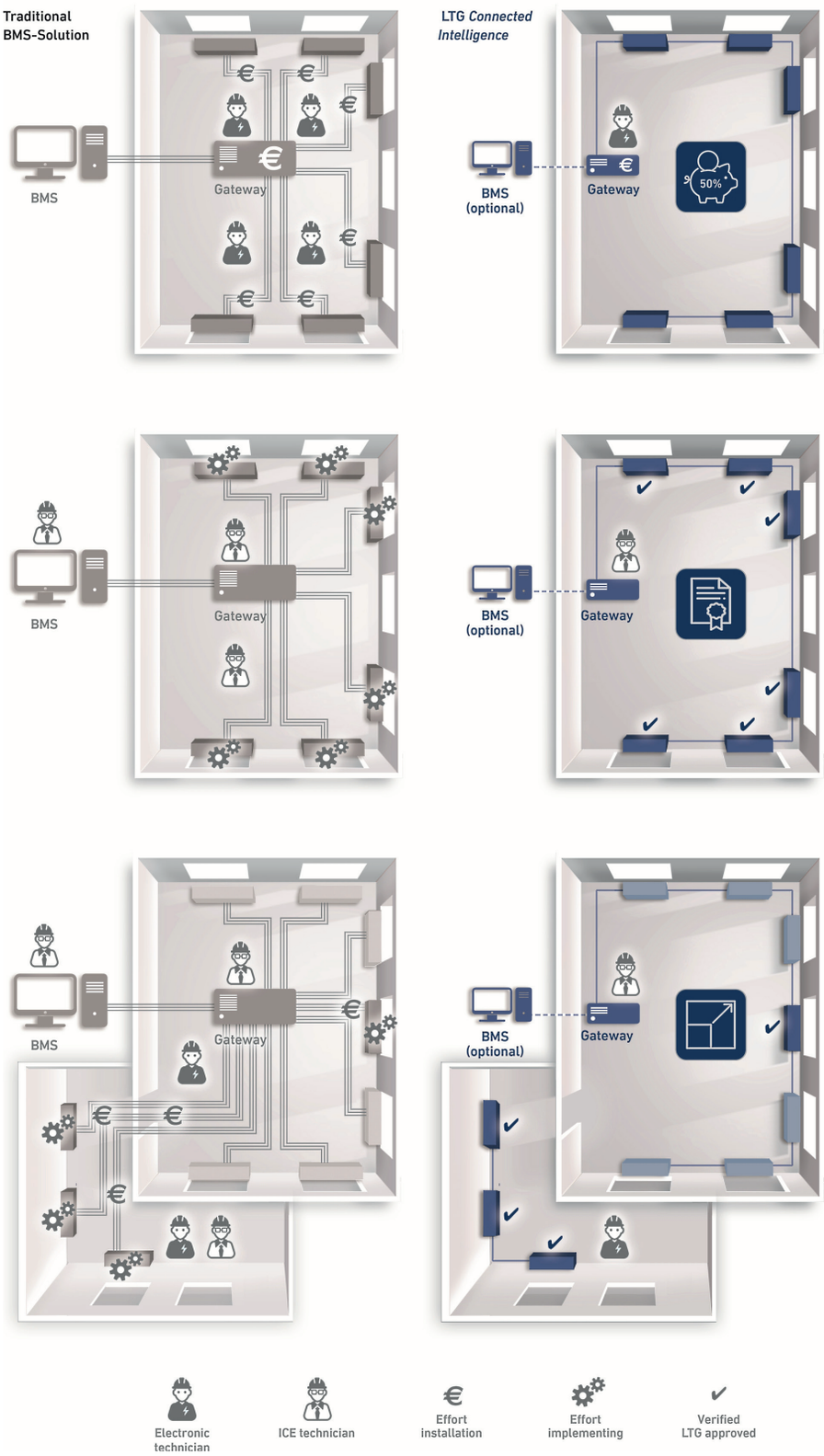
Characteristics



Cost savings

- Significant reduction of software/hardware data points and DDC costs thanks to more compact components resp. LTG boards
- Considerably reduced wiring work and error risk on the construction site

Verified/open systems

- Integrated and product-optimised control circuits for room temperature and air quality as well as heat recovery optimisation
- Open communication by use of Modbus as a protocol and available gateway components and converters

Flexible/scalable

- Inexpensive stand-alone solution for small zones (e.g. renovation of partial areas without BMS connection)
- Subsequent switching to a building management system resp. existing system is possible
- Subsequent expansion using different sensors without additional effort/modules

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