

TOSA: A New Generation of Electric Buses

Flash-charging technology for sustainable e-mobility

Project Description

The world's first electric articulated buses of their kind have been put into operation in the canton of Geneva, Switzerland. The new buses feature a distinguishing, innovative drive system. The electricity for the electric drive comes from a battery, meaning that overhead lines are no longer necessary. Flash-/terminal-charging technology allows the buses to recharge at selected bus stops within 20 seconds. Thanks to this smart energy management system, the size and weight of the battery is reduced to make space for up to 143 passengers.



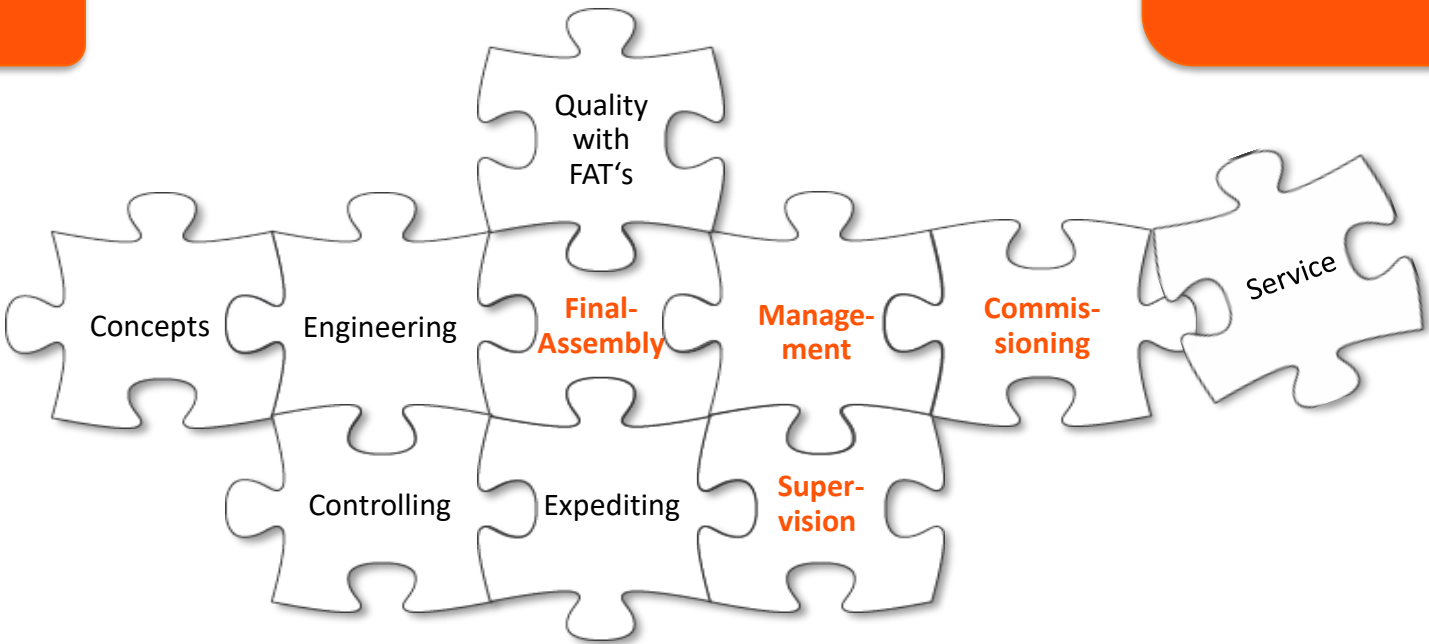
Role of INP Switzerland

On behalf of ABB, INP Switzerland took over all tasks related to the construction site and supplier coordination as well as the scheduling and progress monitoring of all charging stations that are used by the battery-powered electric buses. Furthermore, INP was responsible for managing and coordinating the system test station of the battery charging stations.

Thanks to great cooperation with all parties involved, the electric buses were successfully put into operation.

Smart E-Engineering Services

Flexibility throughout the project



- Installation supervision and management
- Management of the commissioning of primary and secondary technology components
- Site management: HSE, quality inspection



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