

Italian test site WPT Charging Solutions

DEVELOPMENTS
AREA

An overview of the charging infrastructure implemented at the Italian test site

Overview

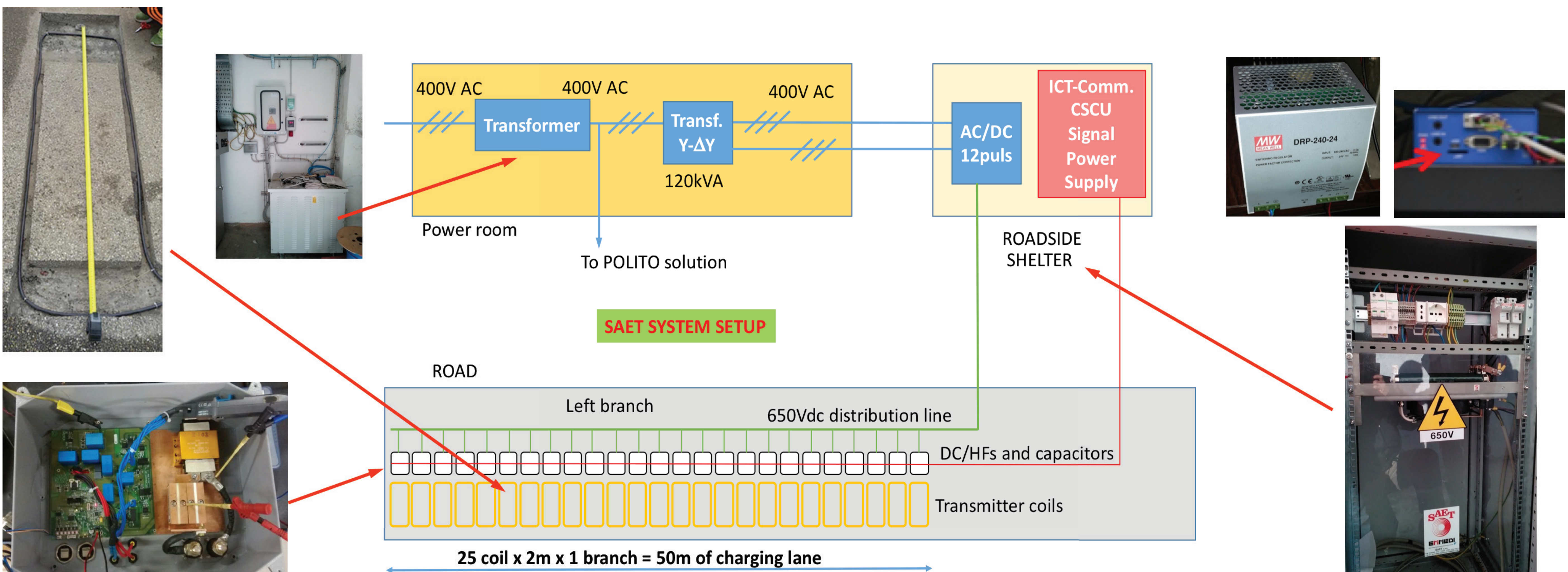
The Italian test site for the FABRIC project considers two solutions for the dynamic charging of electric vehicles. Both systems implement the overall charging infrastructure considering the electrical equipment, the on-road installations, the ICT infrastructure. The implemented prototypes allow the testing of a real case scenario in which electric mobility is the reality.

Partners involved



SAET WPT system

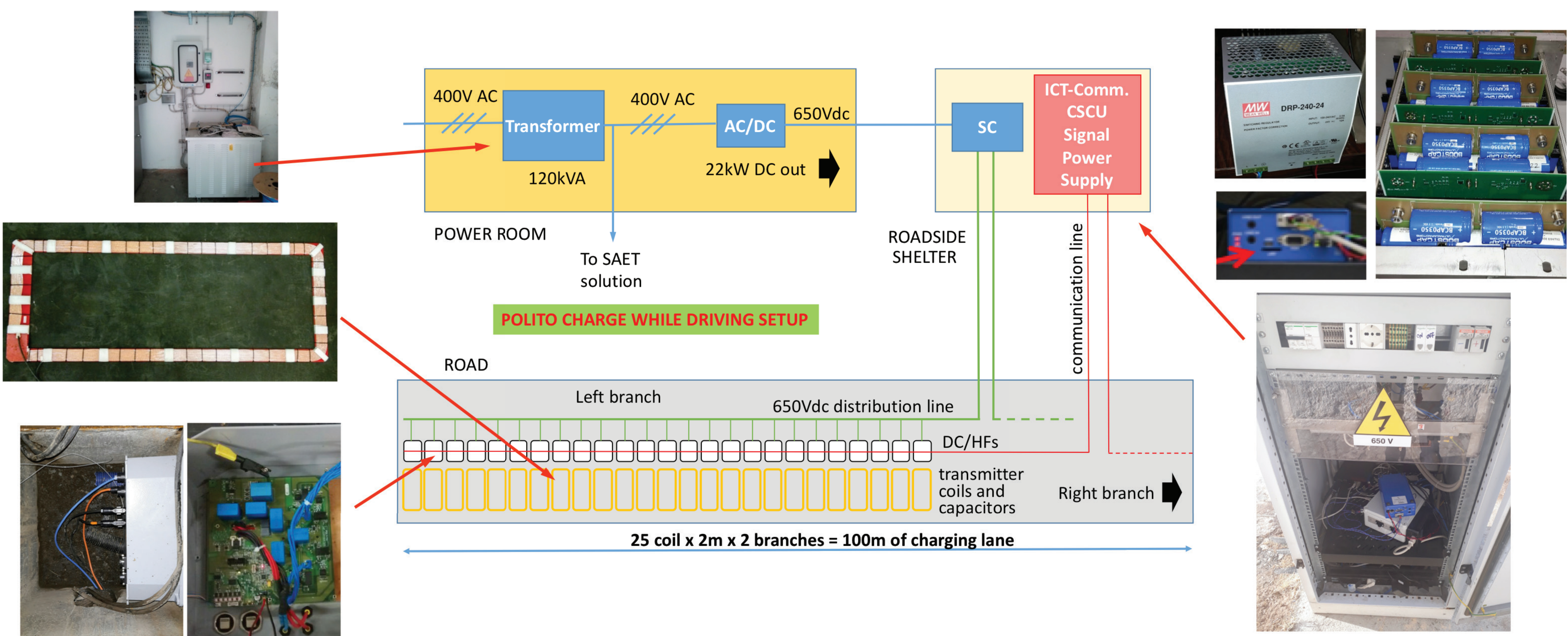
SAET implemented one of the two solutions for dynamic inductive charge. The main structure and components are shown in the figures below.



Main architecture and components of the Saet system for the dynamic inductive power transfer

POLITO WPT system

POLITO implemented the second of the two solutions for dynamic inductive charge. The main structure and components are shown in the figures below



Main architecture and components of the Polito system for the dynamic inductive power transfer

Achievements

SEAT and POLITO provided two different architectures for dynamic wireless power transfer. Each system presented its own peculiarities offering different strengths. Both systems were shown to be interoperable with the same receiver structure mounted under the full electric vehicle provided by CRF. The tests performed demonstrated the reliability of this kind of technology providing important information for a future widespread implementation.

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Consortium

Project facts

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