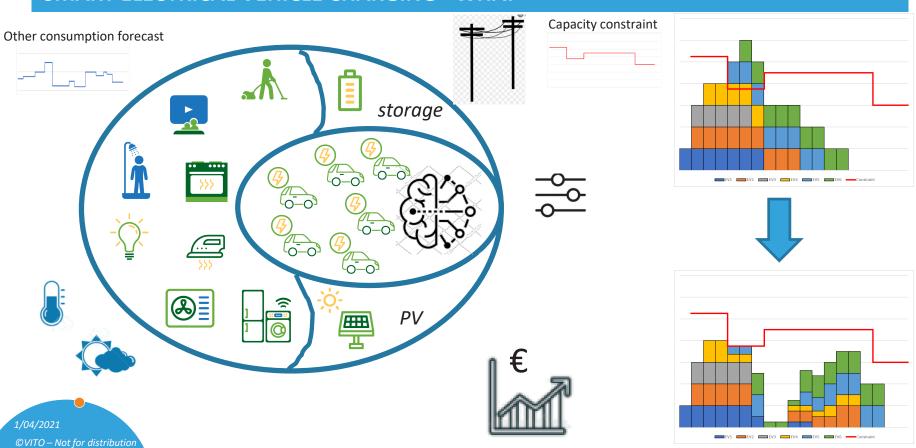


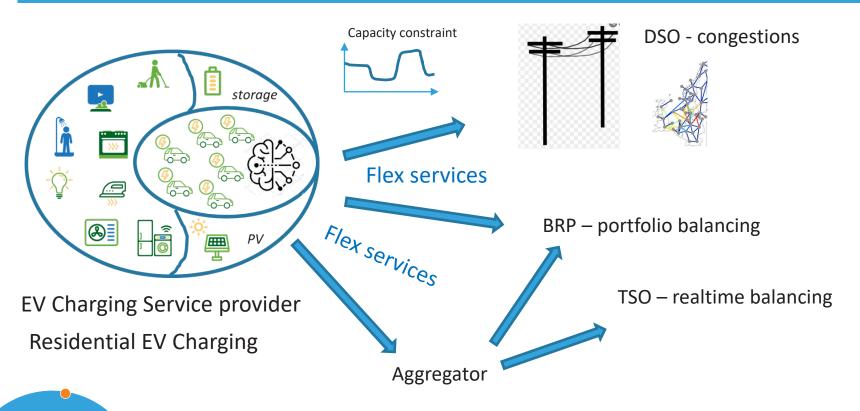


SMART ELECTRICAL VEHICLE CHARGING - WHAT





FLEXIBILITY SERVICES PROVIDED BY SMART EV CHARGING



3



CONCEPTUAL ARCHITECTURE

FLEXharvester Application

Forecasting Other Consumption (ML)

Retrieving (Dynamic) Grid constraints

Retrieving Tariff and price information/forecast

Retrieving Weather (incl Solar Irradiation) forecasts

Forecasting local generation (ML)

Model Predictive Optimization

Retrieving car status change information (and optionally charging parameters)

Forecasting charging parameters (ML)

Charging Plan

Status Change

EVSE EVSE cloud User app

04/2021

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