

Charging hub concepts

Development and integration of EV charging on hub/depot level

Steps



eMobility strategy definition

Demand analysis

Energy supply

Process integration & operation concept

Implementation road map

Business Need

Objective and stakeholder alignment
Business case

Technical and economical KPIs for decision making based on hub-specific framework conditions
Data driven optimization and operation

Safe, secure and cost efficient implementation and supply

Key Activity

Definition of mobility services and concepts
Business model analysis
Definition of value chain elements/stakeholder

Modeling and simulation of mobility demand and energy system
Optimization of energy supply, grid connection and development
Definition of relevant processes and involved steps & actors
Development of IT system landscape and integration in existing environment, requirement specification for HW/SW

Definition of operational tasks and responsibilities
Integration and Preparation:
Development of system optimization and implementation plan

Challenge

Balance of interests
Identification of responsibilities

Data availability and reliability
Predictability of driving behavior and charging technology
Integration of new technologies, technical “vs.” economical feasibility
Regulative framework

Interconnection with further activities and interests
Financing of (pilot) project

 Framework

 Technical analysis