

Cross-cutting IT
systems and
platforms

Electrification



Megawatt charging hub business case assessment tool



Funded by the
European Union

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Developed by :



Project by :



Operational fields

Technologies

Solutions



MEGAWATT CHARGING HUB BUSINESS CASE ASSESSMENT TOOL

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Solution description

Financial Assessment for Smart Planning of Megawatt Charging System (MCS) Hubs

The MCS Business Case Assessment Tool is an advanced simulation-based planning software aiming at helping stakeholders assess the financial viability and sustainability of MCS hubs by integrating investment costs, operational expenses, and potential revenue streams.

Designed for CPOs, energy providers and infrastructure planners it enables data-driven decision-making for deploying and scaling high-power truck charging infrastructure.



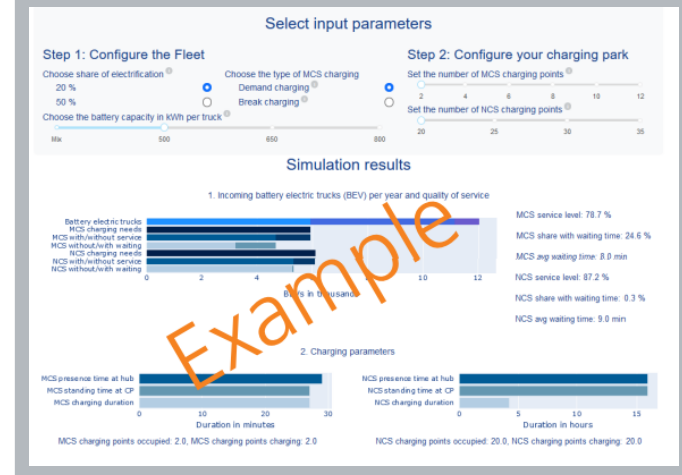
Benefits

- **Comprehensive simulation engine**
Combines CAPEX, OPEX, and revenue forecasting including auxiliary revenue (e.g., food, lodging, services) and TCO impact.
- **Dynamic price modeling**
Accounts for hourly energy prices and grid fees to reflect real-world operational contexts.
- **Scalable & transferable**
Adaptable to different regions and corridor configurations across the EU, accelerating market uptake of BE-HDVs by reducing uncertainty in deploying MCS hubs.

M²CBETH

Main beneficiary:
CHARGING POINT OPERATORS

Example of User Interface



Technology readiness level : 8
Implementation stage : Pilot

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Use Cases** for ultra-fast
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Would you like to know more?
Take contact :



Alice Scotti
Project Manager - ALICE



Avenue Jacques Brel 38/0 – 1200 Brussels



alice.scotti@etp-alice.eu



+39 346 884 1077

www.etp-logistics.eu/alice-projects/flexmcs/

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