

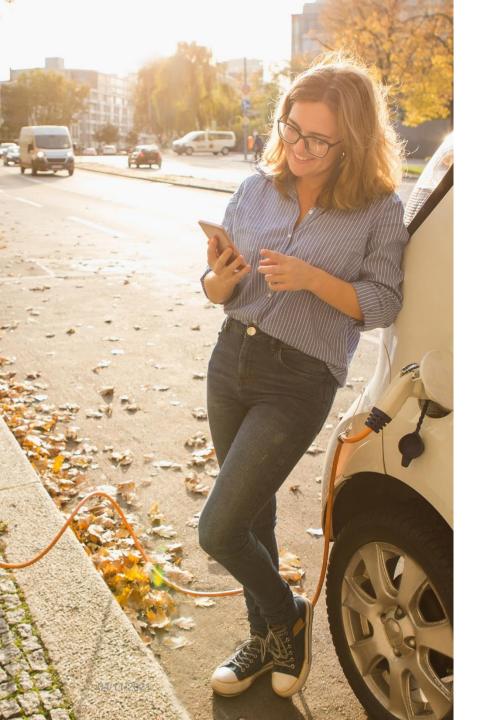


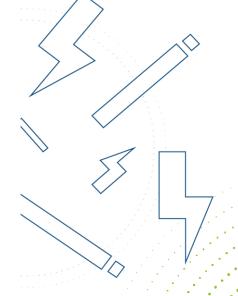
The Stations of the Future for user-centric electromobility

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USER-CHICHARGING YOUR E-MOBILITY FUTURE





A user-centric project

Qualitative research

- 2. Netnography
 621 end users, 3 EU countries (Norway, Spain, Germany)
- 3. Delphi Questionnaire
 57 professionals, 5 EU countries (Finland, Germany, Hungary, Italy, Spain)
- 4. Field Diary
 131 end users, 5 EU countries (Finland, Germany,

Quantitative research

• 5. Survey
2,737 participants, 6 EU countries
(Finland, Germany, Hungary, Italy,
Norway, Spain)

Co-Creation

6. 2 Workshops

End users (5) & professionals (11), and professionals (30), 4 USER-CHI products: INCAR, INSOC, INDUCAR and SotF





1.5. ELECTROMOBILITY PLANS

32,4% Standardization of technical components

Easy access to the charging points and properly signalized

27,9%

Thinking in a new generation of charging stations: which are your expectations regarding features they should have? (Check the most relevant three options)

Automatic user detection in the charging point

25,6%

Availability of charging infrastructure on the (small) neighborhood level

25,4%

Interoperability at European level

23,5%

Excellent availability (multiple chargers on one location)

21,8%

Increase charging points locations

20,8%

Availability of charging infrastructure on the Overnight parking, Shop & charge and Streetlight-parking

17,3%

Registration and payment in an application

16,9%

Regular payment methods

13,4

Roaming

Other

0,7%





Lorem ipsum 04/11/2021



Co-creation workshop

- Intermodal station. Public and private medium distance and last mile transport.
- Spaces integrated into nature.
- Indoor / outdoor.
- Connections with walking and bike path.
- Parking for electric vehicles.
- EV charging and LEV in separate areas.
- Anti-theft / safe zone.
- High time flexibility.
- Locations on highways, accesses to the city and key points of the city such as shopping centers, universities, hospitals, public transport stations.
- Management similar to a civic center (multiple activities and interests in coexistence).





SotF

Main concepts:
Charging
EV&LEV,
Intermodal,
Sustainable,
Additional
services, Civic
center

CONCEPT SOLUTIONS TO

Charging station of the future

eBikes — eScooters

Vehicle charging
— EV + LEV

Separate zones

Intermodal
Medium-distance
transport — «last
mile».

In harmony with nature — «green space»

Multi-service holistic concept ²Maintenance & repair of vehicles, ³courier service, ⁴leisure, ⁵cafeteria, ⁶coworking, ⁷physical activity areas, toilets.



StationOfTheFuture: concept enrichment. Which are the features and functionalities you miss?

flexibility reg space

stronger intermodality city centre's solution

logistic parking area

places for smart working

shared mobility

last mile logistic hub

intermodal ticketing poin wireless charging battery change

e-commerce car pooling

e commerce pick up points
e-chargetime optimization
ride sharing
solution when less space space efficiency

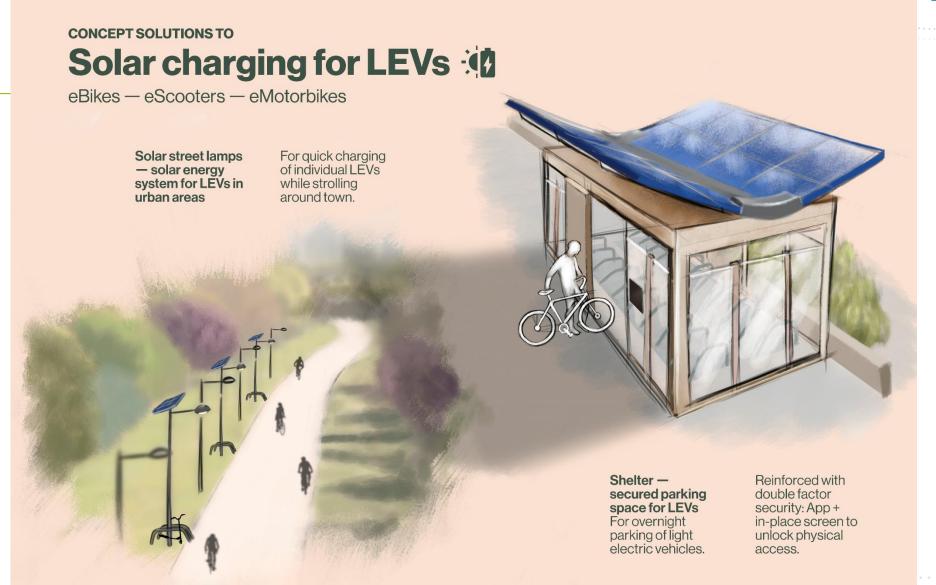
logistic e-charge needs





INSOC

Main concepts: Solar surface, Secure parking, Modal hub, Sustainable mobility, Urban Furniture



04/11/2021

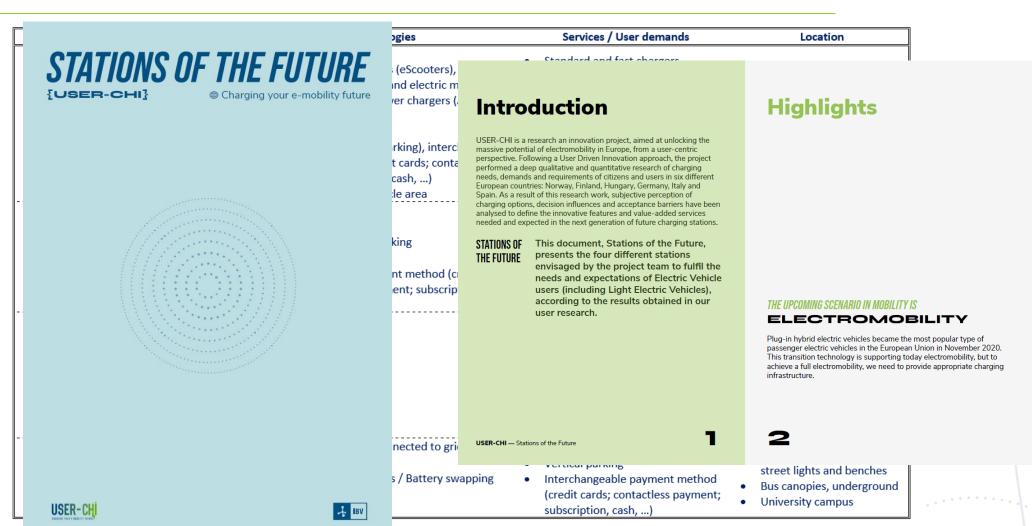
INSOC concept enrichment. Which are the features and functionalities you miss?

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vandalism proof
          dso grid permit grid connection
               availability signal battery swapping
        private and sharing use wireless charging
              attractiveness 4 endusers
                                              availability
storage 4 pv
                 instruction for being eco
  green decoration avoid degradation phenom
               streetlights connection
                              different chargers
           differ size levs
                          smaller solutions
       reservation
```





Four different Stations







THANK YOU!

Any questions or comments?

CONNECT WITH US:

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