

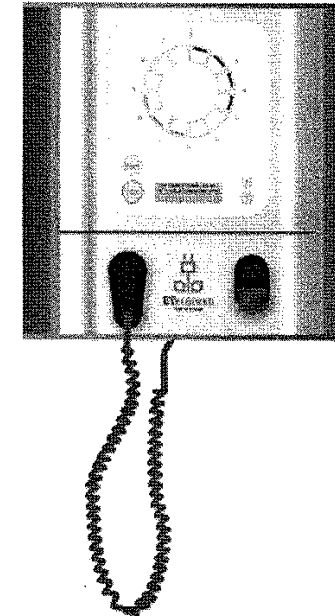
BE A PART OF AN EVERGREEN FUTURE

Evergreen - intelligent opladning af
elbiler i samspil med SmartGrid

www.timetocharge.org

Vikingegaarden A/S

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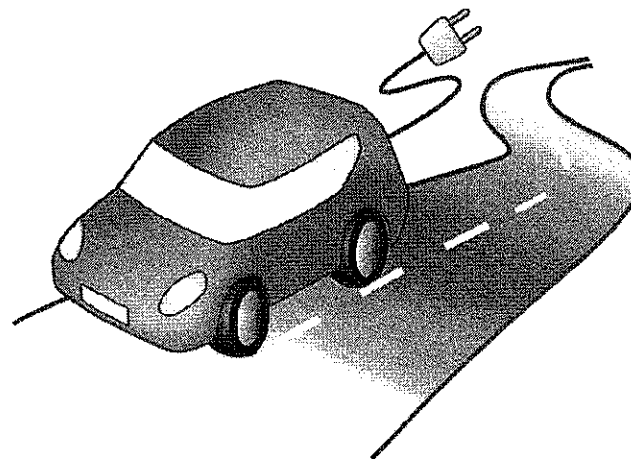
VMS MODULER PROCESSTEKNIK FLÅDE MANAGEMENT FARLIGT GODS HARDWARE REFERENCER



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Agenda

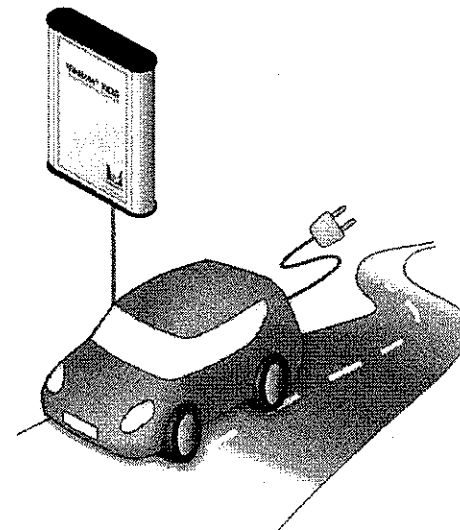
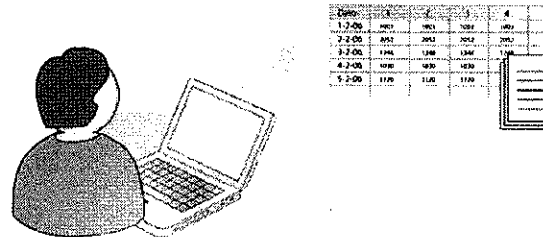
- Vikingegaarden A/S
- EVergreen projektet
 - Udvikling af intelligent ladestander
- Perspektivering
 - Samfundsøkonomiske perspektiver
 - Perspektiver for balanceansvarlige
 - Slutbrugeren
 - Markedspotentiale
- Gensidig diskussion
 - Tidshorisonter for implementering
 - Energipolitisk strategi og match med EVergreen



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- Vikingegaarden

- Born Global
- Web-løsninger til industrien
- Elspot lanceret i 2008
- Elbilforsøgsordningen 2009-2012
- EVergreen støttet af EUDP 2010-2012



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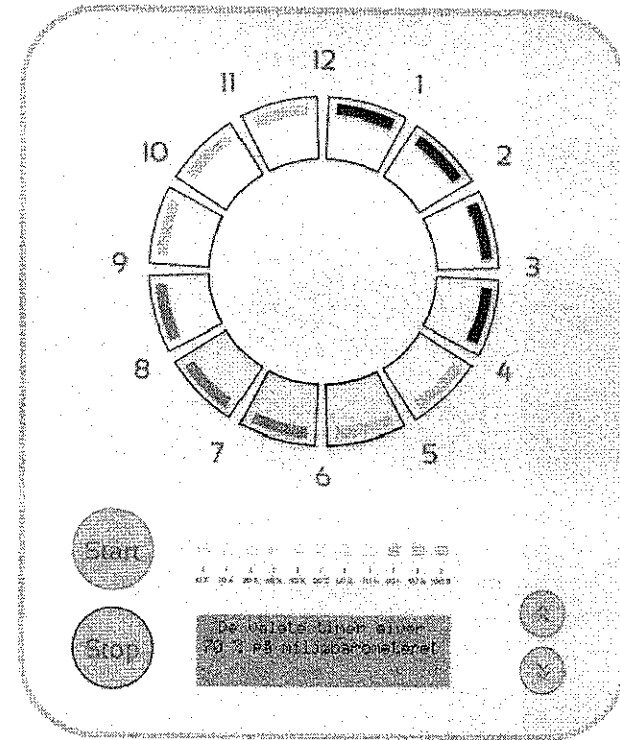
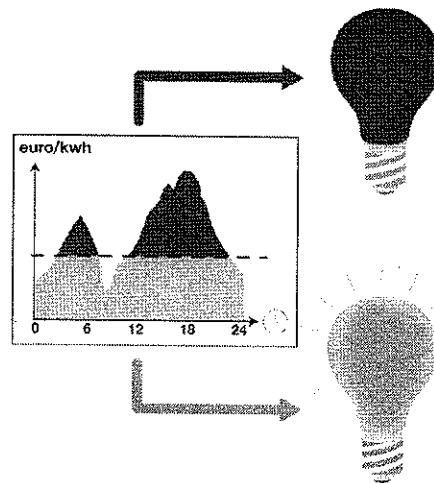
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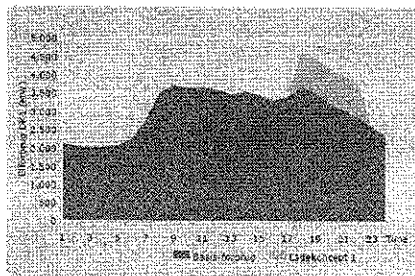
Evergreen

- Projektet omfatter
 - SmartGrid integration
 - Kommunikation med elbil
 - Intelligent måler afregning
 - Energinet.dk - datahub
 - Integration
 - Offentlig
 - Privat
 - Parkeringspladser
 - Demonstration

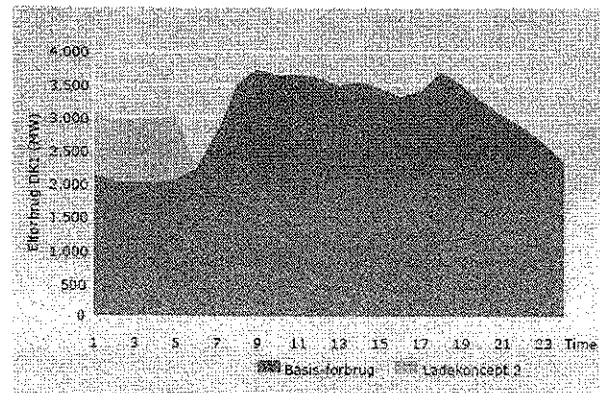


Samfundet

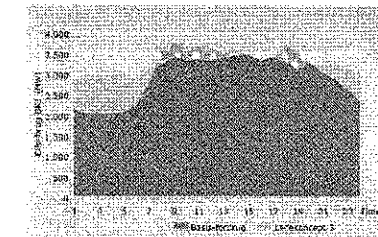
- Samfundsperspektiver ved SmartGrid og EVergreen
 - CO₂ reduktion
 - Vedvarende energi
 - Belastningsudjævning
 - Økonomiske faktorer



Aktuel situation



EVergreen fase 1



EVergreen fase 2

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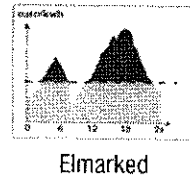
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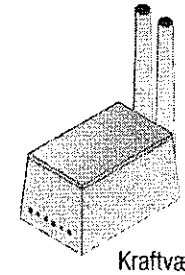
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Balanceansvarlig

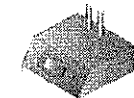
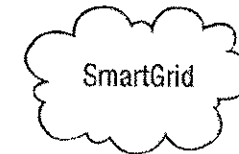
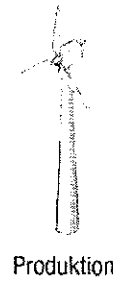
- EVergreen er Smart Grid version 1.0
 - Flexibelt elforbrug styres
 - Samspil med Datahub
- Fremtidsmuligheder
 - To-vejs kommunikation
 - Vehicle2Grid – (V2G)



Balanceansvarlig

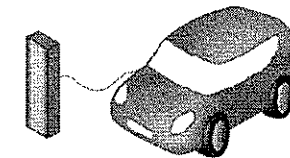
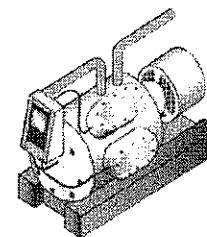


Datahub
(Energinet.dk)



Varmepumpe

Bruger



Kølekompresor

Ladestander

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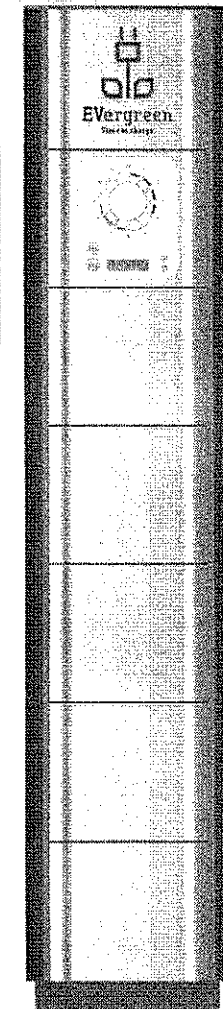
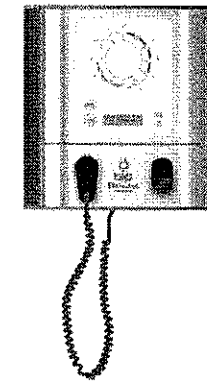
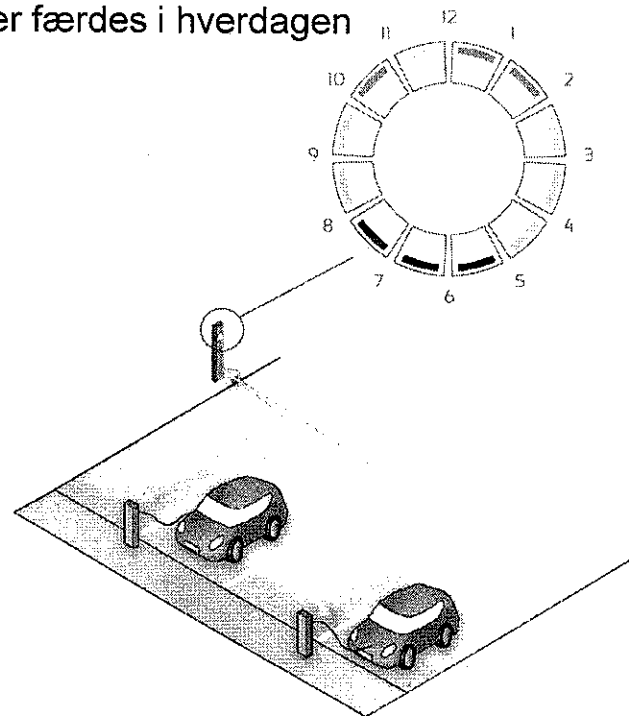
REFERENCER



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Slutbrugeren

- Perspektivering
 - Bruger ser det som ét sammenhængende system
 - Lademulighed hvor bruger færdes i hverdagen
- Lademuligheder
 - Hjemme
 - Offentligt
 - Parkeringspladser



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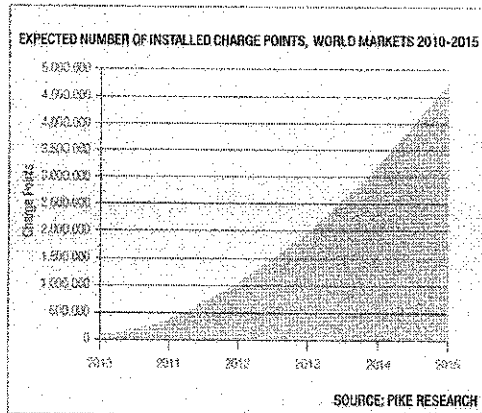
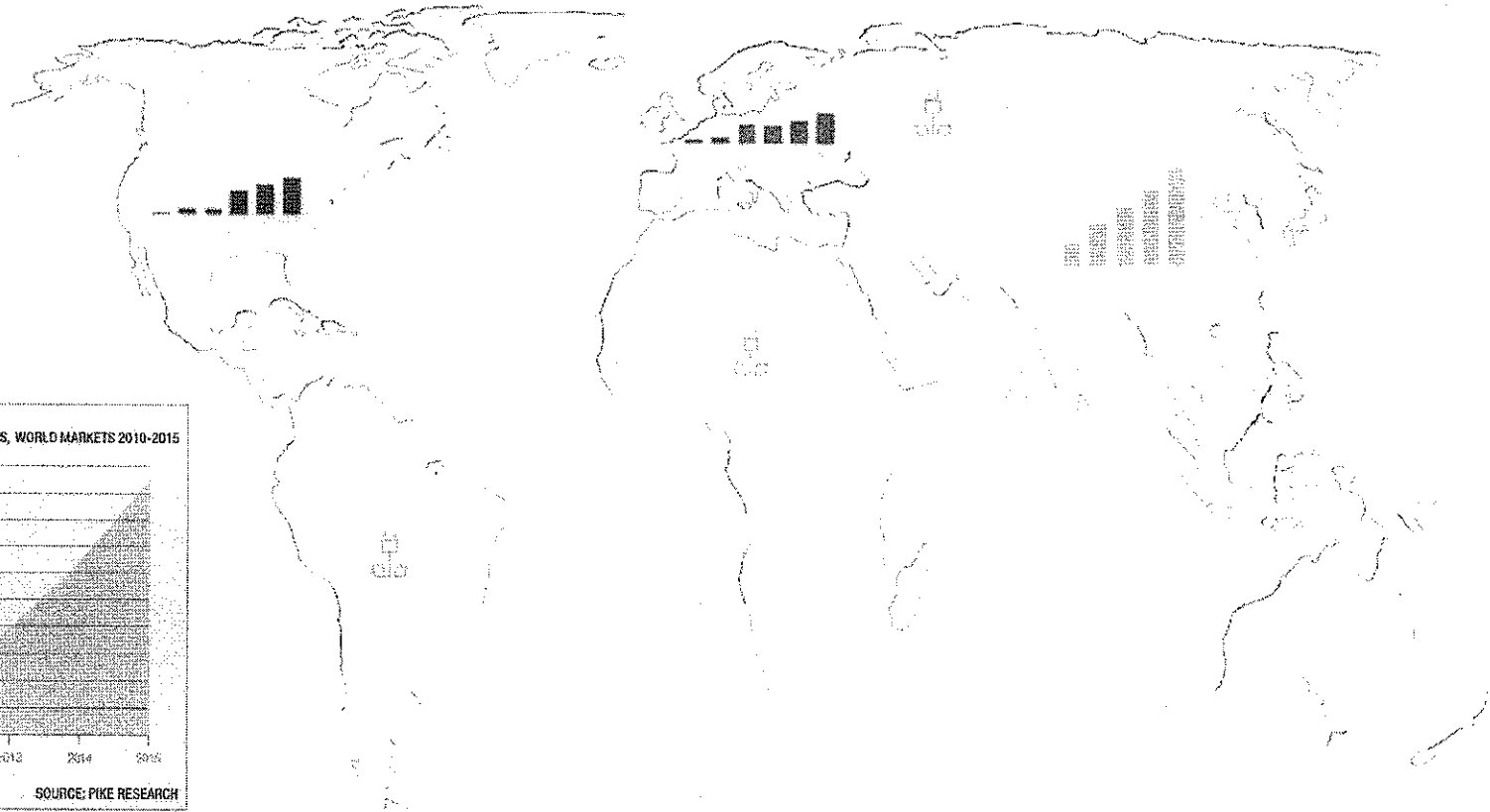
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Markedspotentiale



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Gensidig diskussion

- Match med jeres politiske visioner og strategi
 - Tekniske muligheder
 - Tidsplaner
- Gode råd til Vikingegaarden?

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