



<http://www.plangridev.eu/>

The research leading to these results has received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement No. 608957.



PlanGridEV

The overall objective of the PlanGridEV project is to develop new network planning tools and methods for European Distribution System Operators (DSO) for an optimized large-scale roll-out of e-mobility in Europe whilst at the same time maximizing the potential of Distributed Energy Resources integration.

The PlanGridEV approach aimed for an evolution of current grid planning rules and investment strategies utilising improved methods for network operation, regulatory frameworks and business models.

The project has answered the following key questions:

- What is the best scenario for integrating electric vehicles (EVs) into distribution grids?
- Can additional grid investments for charging EVs be postponed or avoided?
- What economic effects can be generated from the best scenario?
- How can stochastic movements of EVs be simulated in grid planning tools?

FINAL EVENT INVITATION

“Leverage your grid planning strategy“

18th February 2016, 09:30 – 17:00

Renaissance Brussels Hotel, Rue du Parnasse 19, 1050 Brussels, Belgium

The final event will present the results achieved within the project to challenge the anticipated mass roll-out of EVs in Europe and the continuously increasing number of distributed energy resources (DER). The project consortium will show the identified gaps in current network operational procedures and present updated tools and methods which address local load and congestion issues, leveraging on the possibilities of managing EVs as controllable loads. The findings of the project's validation activities derived from existing infrastructures of the four involved DSOs and the cooperation with car manufacturers (OEMs) accompanied by leading scientific and technological research partners will be also presented.

If you are interested in knowing more about this project and the results achieved, register yourself for this event at

<https://www.eventbrite.de/e/plangridev-final-event-tickets-19776772860>

by Friday 5th February 2016 at the latest. Please note that this event is free of charge. Seats are limited and attendance will be considered by order of registration.

If you require further information about the event, please send an email to Stefan Übermasser (stefan.uebermasser@ait.ac.at).



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PlanGridEV – Planning rules for linking EV to distributed energy resources

PlanGridEV - FINAL EVENT

18th February 2016, Renaissance Brussels Hotel, Rue du Parnasse 19, 1050 Brussels

AGENDA

- | | |
|---------------|---|
| 08:30 – 09:30 | Arriving at Venue, Registration, Coffee bar |
| 09:30 – 10:00 | Welcome and Introduction – Project overview |
| 10:00 – 10:30 | Session I – Best case scenario for charging EVs |
| 10:30 – 11:15 | Session II – Technical aspects of best case scenario |
| 11:15 – 11:45 | Coffee Break |
| 11:45 – 12:30 | Session III – Economic aspects of best case scenario |
| 12:30 – 13:30 | Lunch Break with demonstration of the developed planning tool |
| 13:30 – 14:30 | Session IV – Regulatory aspects of best case scenario |
| 14:30 – 15:30 | Session V – OEM aspects of best case scenario |
| 15:30 – 16:00 | Coffee Break |
| 16:00 – 17:00 | Round Table Discussion |
| 17:00 | End Conference |
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The PlanGridEV approach aimed for an evolution of current grid planning rules and investment strategies utilising improved methods for network operation, regulatory frameworks and business models.

The project has answered the following key questions:

- What are the impacts of charging scenarios from a customer and a grid perspective?
- Which features should the car manufacturers (OEMs) offer for electric vehicles (EVs)?
- How to provide charging power for hundreds of thousands of EVs?
- What could be the benefit for the customer when using smart charging?

Final Presentation OEM conclusions “How to benefit from smart charging”

19th February 2016, 09:30 – 16:00

Renaissance Brussels Hotel, Rue du Parnasse 19, 1050 Brussels, Belgium

The PlanGridEV final event for the general public will take place on February 18th, where the overall project results achieved will be presented.

On February 19th the project will address relevant results especially for OEMs. You will get a detailed view which features and systems that are necessary for a successful EV mass roll-out and how EVs can benefit from energy services. Derived from existing infrastructure and an innovative simulation tool the project presents technical and economic aspects of charging schemes which respect customers' needs. Required control and communication structures will also be discussed.

If you are interested in knowing more about this project and benefit from the results achieved, register yourself for this second day event

<https://www.eventbrite.de/e/plangridev-final-oem-workshop-tickets-19777040661>

by Friday 5th February 2016 at the latest. Please note that this event is free of charge. Seats are limited and attendance will be considered by order of registration.

If you require further information about the event, please send an email to Stefan Übermasser (stefan.uebermasser@ait.ac.at).



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PlanGridEV – Planning rules for linking EV to distributed energy resources

Final Presentation OEM conclusions

19th February 2016, Renaissance Brussels Hotel, Rue du Parnasse 19, 1050 Brussels

AGENDA

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|---------------|--|
| 08:30 – 09:30 | Arriving at Venue, Registration, Coffee bar |
| 09:30 – 10:00 | Welcome and Introduction – An Overview |
| 10:00 – 11:10 | OEM Session I – Impact of different charging schemes |
| 11:10 – 11:30 | Coffee Break |
| 11:30 – 12:30 | OEM Session II – Control Schemes and ICT requirements |
| 12:30 – 13:30 | Lunch Break |
| 13:30 – 14:30 | Session III – Cost-Benefit Models |
| 14:30 – 15:00 | Coffee Break |
| 15:00 – 16:00 | Round Table Discussion |
| 16:00 | End Conference |
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