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eMobility | City of Offenbach

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Who we are - Stadtwerke Offenbach

- Round about 1.000 employees
- Service provider on behalf of the city for all municipal services of general interest
- 4 divisions: housing and rental | public mobility | city services | events



City of Offenbach

- Growing, young city | Over 135.000 inhabitants
- Changing city | From industrial to a service oriented - creative city
- Located right next to Frankfurt in the federal state of Hesse, Germany



We do electromobility...

...to keep the polar bears on solid ground



© El Cheikh

Think global – Local liability

- High traffic volume in Offenbach with lots of noise and air pollution
- Nearly 20 hotspots with an average over $50 \mu\text{g}/\text{m}^3$ of NO_2 -emissions
- Climate Protection Plan | Climate Adaptation Strategy | Clean Air Plan



Electromobility is part of the solution

- Strom bewegt | Project coordination office for federal projects
- eMiO – Electromobility in Offenbach
- eMobil – Public sharing system
- eBus – Electrification of the public bus fleet



Office for federally funded projects

- Funding advice for companies and municipalities in the state of Hesse
- Coordination of the eMobility-Network, public relations and events
- In cooperation with “Geschäftsstelle Elektromobilität | strom-bewegt”



eMiO - Electromobility in Offenbach

- 40 electric cars are realized together with companies based in Offenbach
- Enthusiastic drivers and companies
- Excellent visibility on the streets to establish the new technology



eMobil-Sharing | Offenbach downtown

- Public rental station for eBikes and electric cars
- Operational since 2011 - together with RMV (regional transport authority)
- Intermodal sharing-system as a supplement to public transport offers

eMobil – the new way to drive



- Construction of five additional eMobil-stations in cooperation with RMV, supported by the state of Hesse
- Cross-station-system (flexible hire and return within the stations network)
- Access via "eTicket RheinMain" and APP
- 6 VW e-Up! and 20 eBikes



Looking for well located spots...

- Connected to the public transport
- Good visibility and space availability
- Integration into the urban design and easy accessibility
- Low construction costs (road, power supply, underground engineering)





Public transport | Integration of electric buses

- Step by step: Feasibility study | Operation of a few vehicles | Electrification of the fleet by scheduled replacements
- Implementation of infrastructure in the depot and for opportunity-charging
- Target: 30 % electrification of the fleet by 2023

Advantages of eBuses in public transport

- **Customer benefit** | Higher driving comfort
- **Operational benefit** | Less maintenance and longer lifetime of the vehicles |
High initial investments can be made reduced by subsidy programs
- **Ecological benefit** | Less noise and emission-free public transportation
- **Potential** | 2.4% of GHG-emissions from road traffic can be avoided by electric buses in Offenbach

E-Mobilität
gehört zu Offenbach
... wie Stolz zu wahrer Schönheit!



E-Mobilität
gehört zu Offenbach
... wie Faxen zum Wachsen!



THANK YOU
FOR YOUR ATTENTION!

STRÖER

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Ein Unternehmen der Stadt
Offenbach am Main
OF