

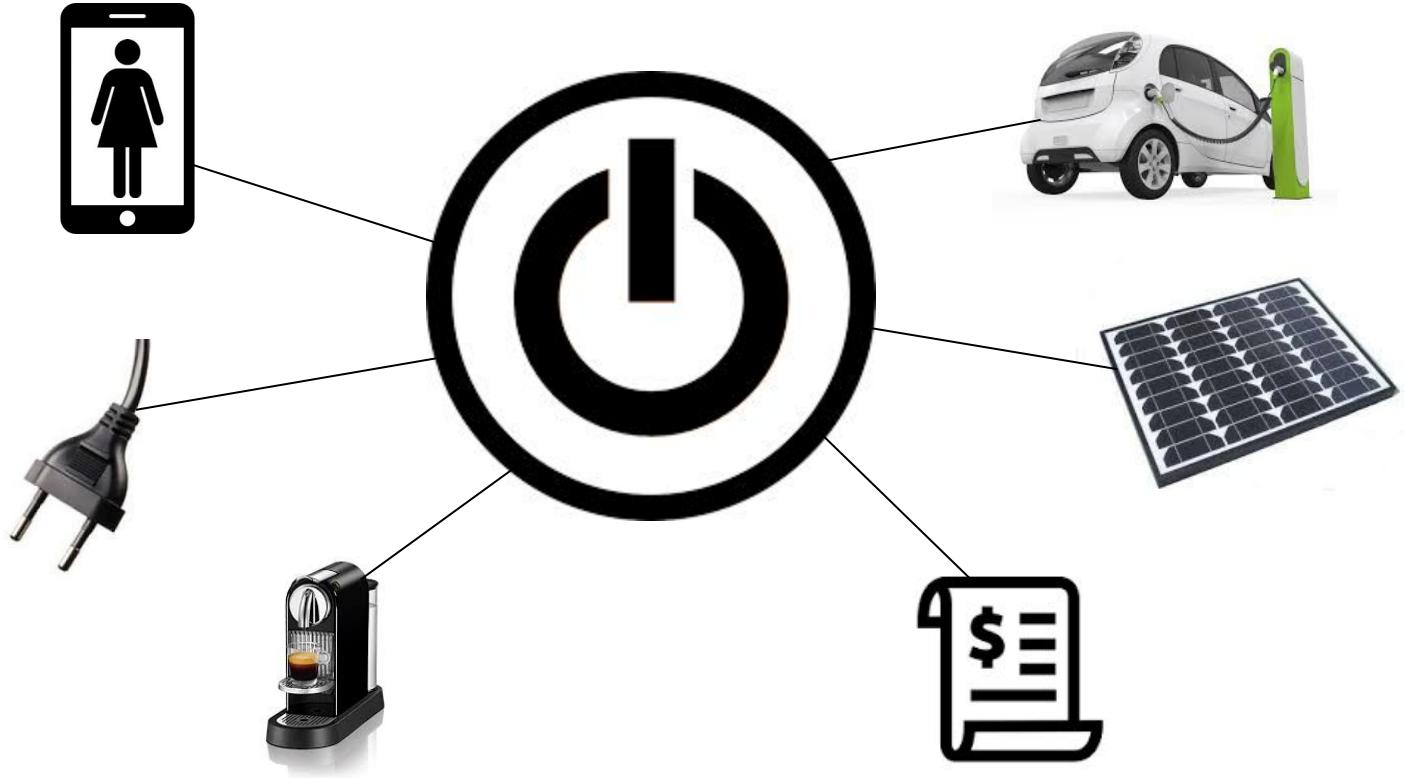
Mobile P[Ⓢ]ower

Sharing electrical services between peers

Something simple



Something smart



Democratize the sharing economy

- **Pay as you use:**
 - energy-based service contract per consumption
- **Access** to energy services wherever you go
- **Monetization** of your electricity assets through services
- **Service-based** sharing economy

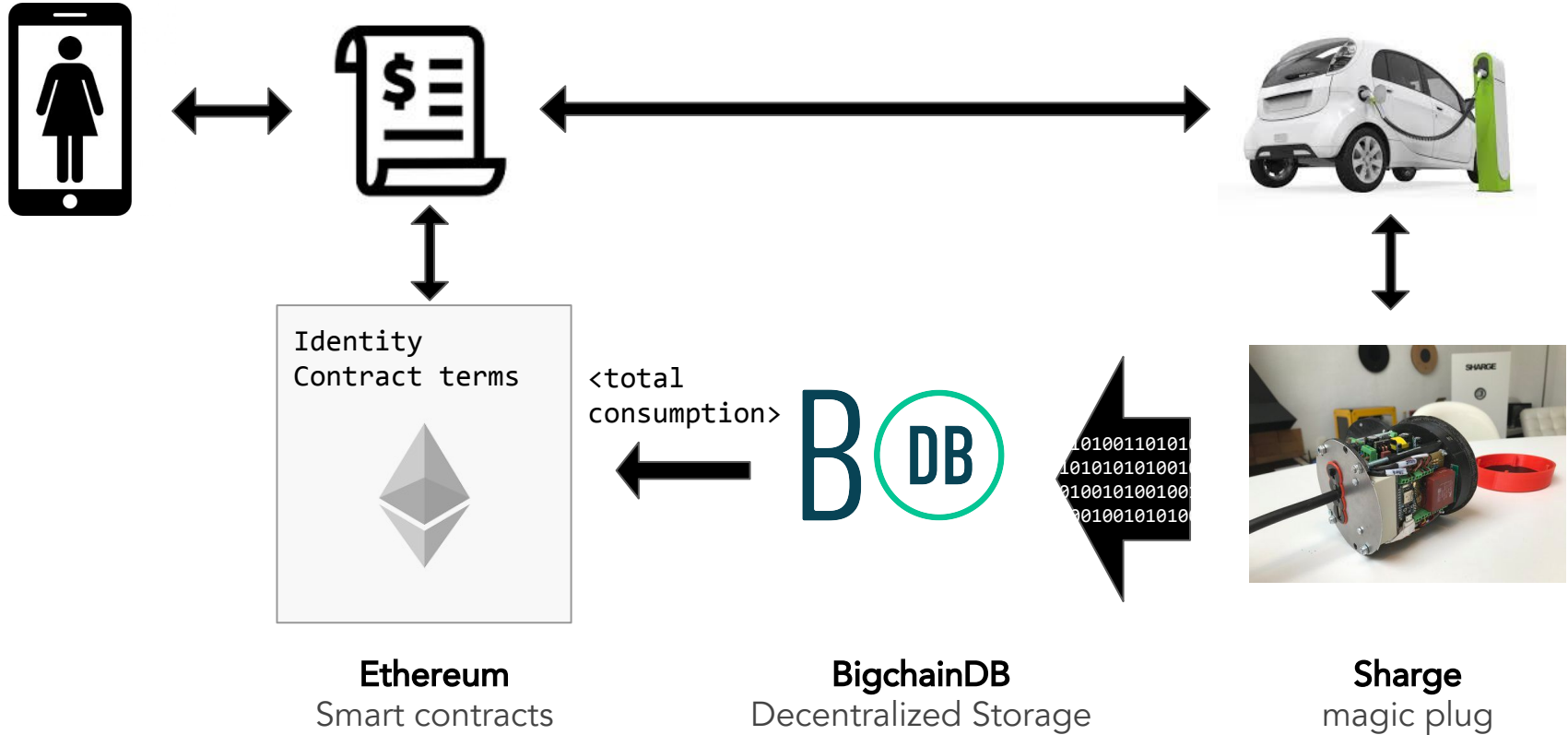
New use cases

- **Electric vehicle charger**
 - Shared among **anonymous peers**
 - **Scheduled/rule-based** charging on a parking lot with many consumers
- **Smart electrical socket**
 - **Time-shared** billing - eg Airbnb, hotels, ...
 - **Fractional** billing for multiple renters (students, apartments, ...)
- **Monetize electronic assets in a community**
 - **Shared utilities/services:** washing machine, cars, sauna, ...
 - **Community ownership** of decentralized energy sources

Blockchain? | ヽ_(ツ)_/ |

- **Peer-to-peer trust network**
 - Peer-to-peer: no intermediaries
 - Contract negotiation and execution with **smart contracts**
 - Automated and real-time **settlement**
 - Invoicing, bookkeeping, ...
- **Transparent and immutable data store**
 - Unforgeable audit trail for IoT data
 - Secure device data with on-chip identity

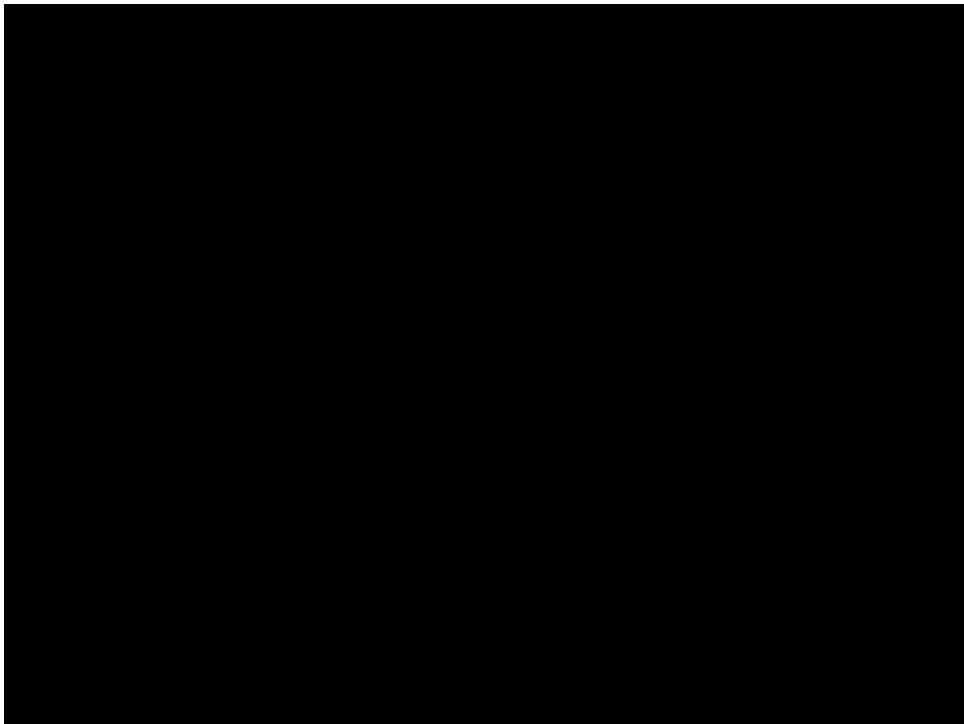
The Hack



Roadmap

- Hardware:
 - Proof of concept with schuko plug
 - Fast charging plugs
 - Embedded in devices
- Data-driven service consumption
 - Optimal prosumer scheduling
 - Transparent and accessible prediction markets
 - Predictive maintenance
 - Peer-to-peer insurance
- Platform for sharing economy
 - Secondary markets with new business opportunities

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