Advanced Transportation Data Management

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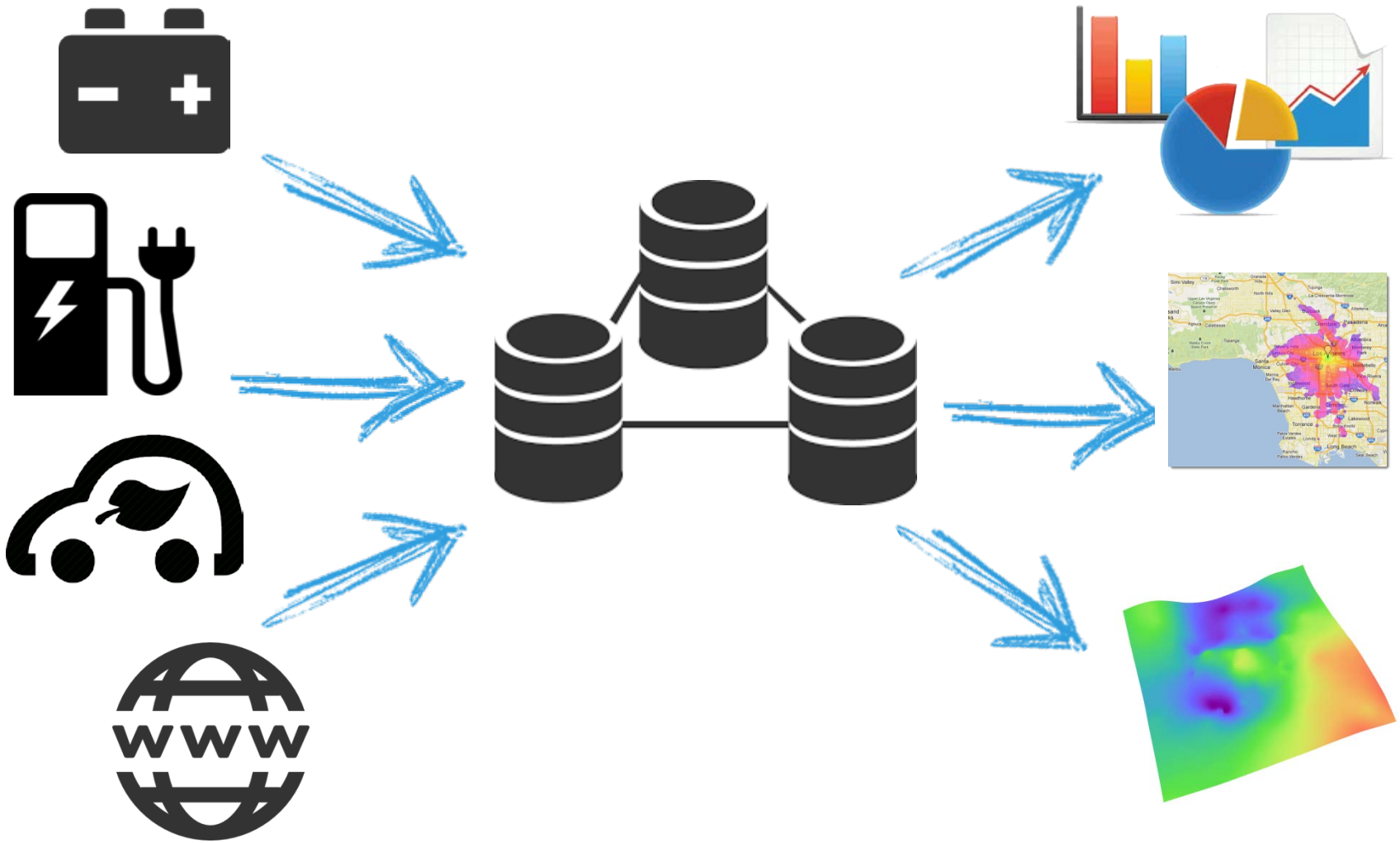
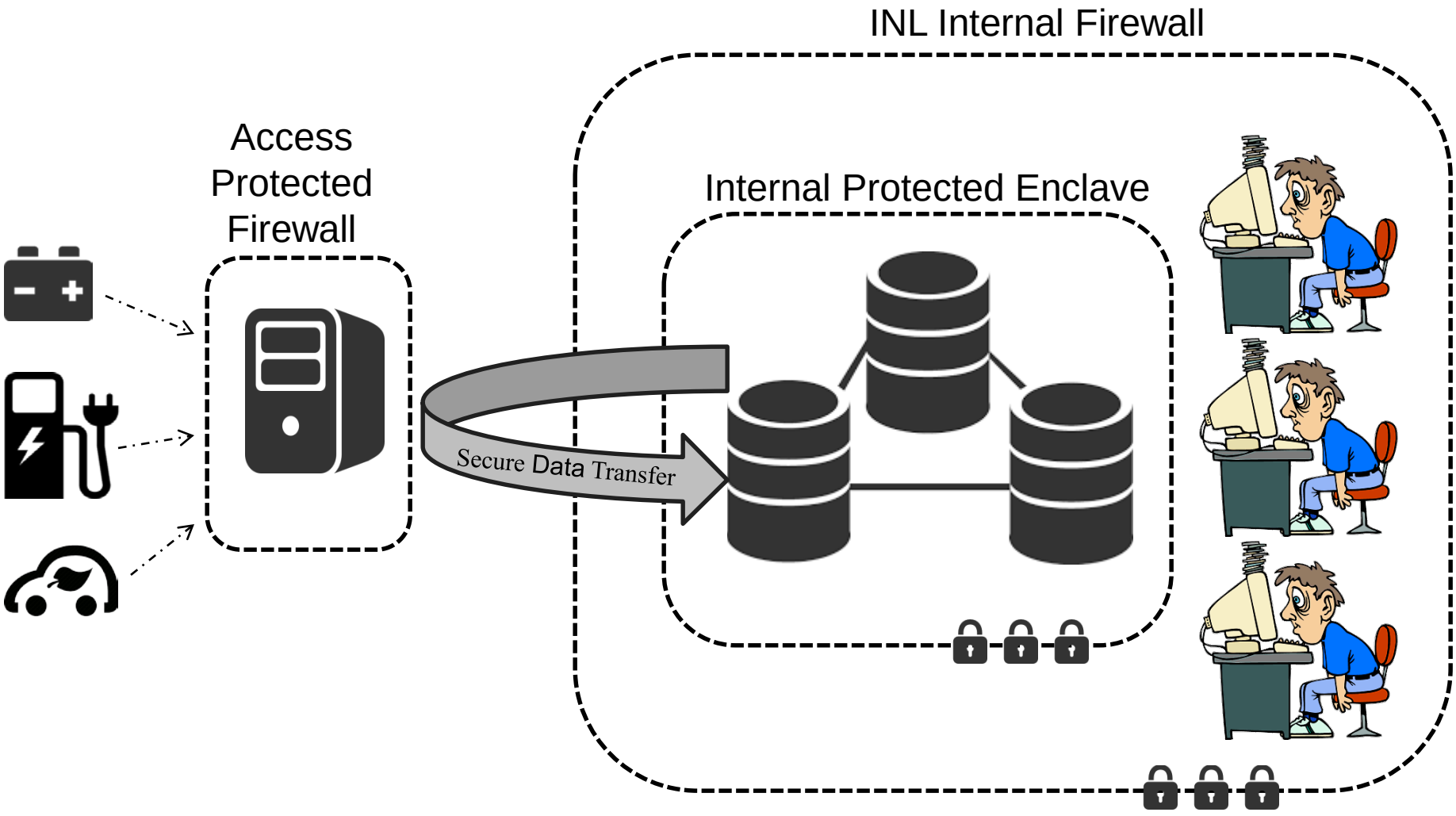
Idaho National Laboratory

Advanced Transportation Data Warehouse



Storage and Security



Capabilities

Acquisition of Large Variable Data Sets

- secure data transfer methods
- strict backup protocols
- multiple data formats

Automated Data Processing

- use standardized processes to ensure reliability and data integrity
- rapid development techniques produce robust data architectures

Advanced Visualizations & Analyses

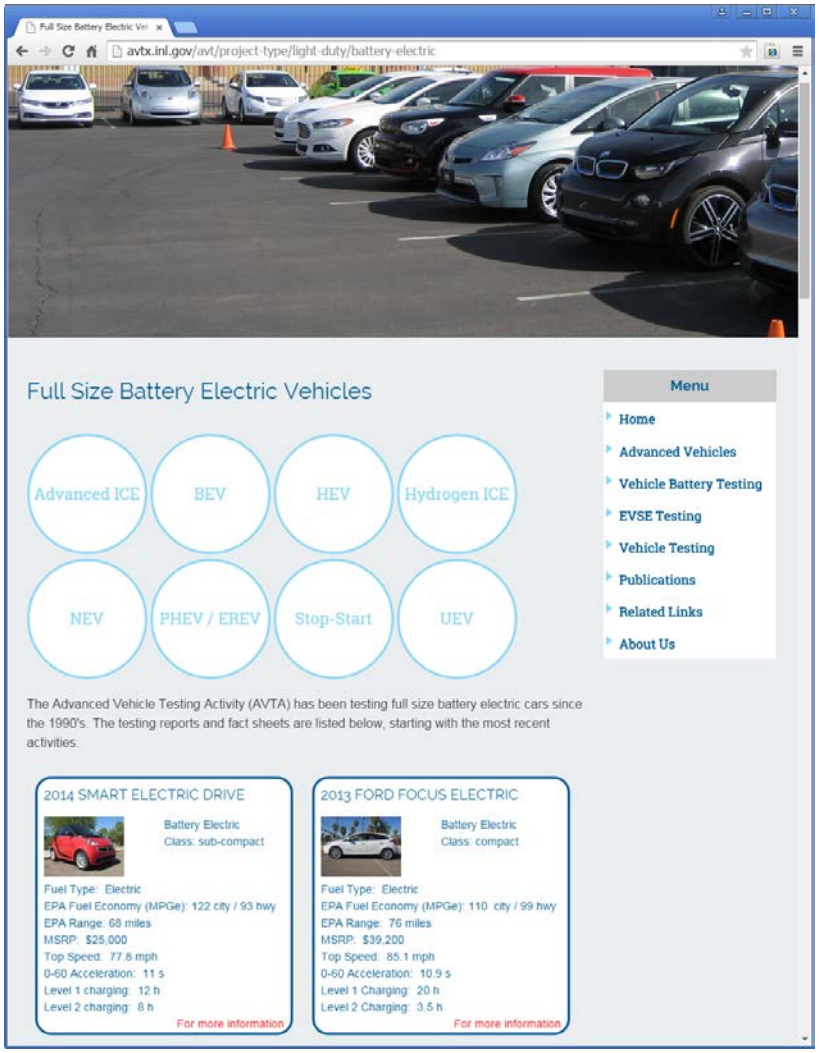
- dynamic reports & maps (time animations), white papers, presentations and infographics
- data mining and data analytics

Web Platform

Revamping our web platform

- richer information products
- dynamic data feeds

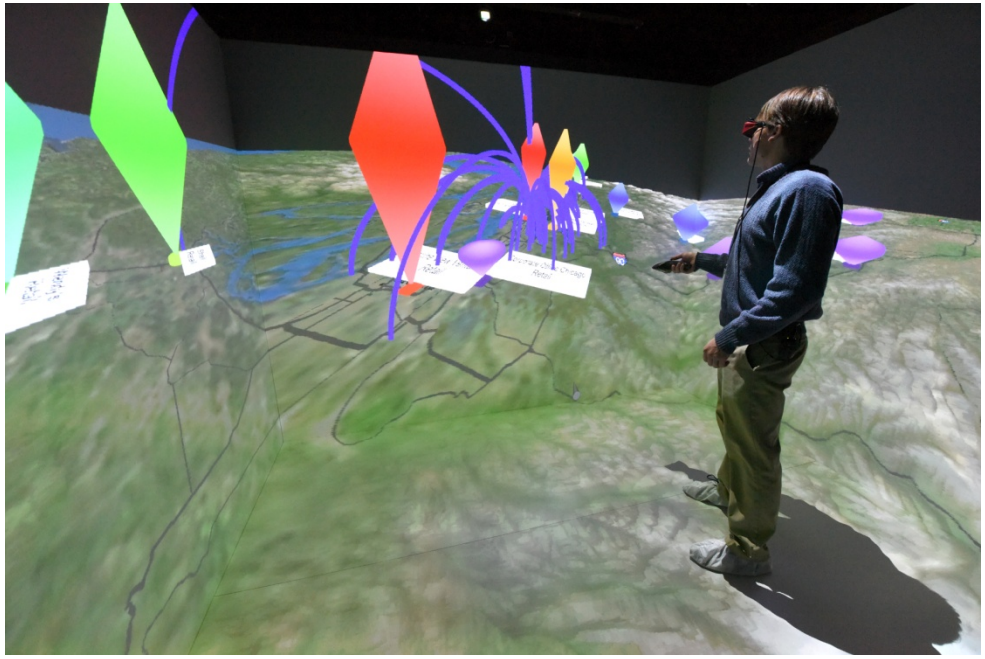
  *only if NDAs allow
- users can subscribe



Big Data

Parallel Processing Environments

- Hadoop Cluster
- High Performance Computing Environment
- CAVE – Collaborative Virtual Environment



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