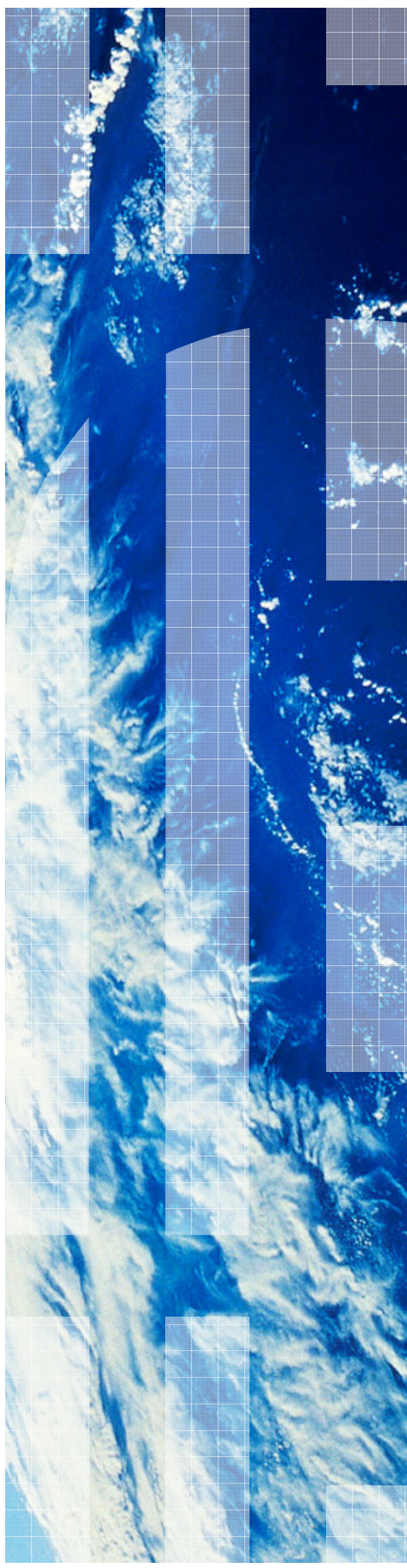


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Future of Internet Smarter Planet use cases



FI PPP 2nd Usage Area Workshop
June 21-22, 2010, Brussels

IBM Haifa Research Lab



Sensors & Actuators

Messaging

Energy & Utilities

Smart Cities

Event processing & Data
Stream Processing

Optimization

eHealth

Field real-life Experience

Test-bed

Clients use cases

- Among largest IBM Research facilities
- Employs more than 300 researchers (~500 employees)
- Spans many Research strategy areas

Cloud Computing, Data Storage,

Event Processing, Optimization, Distributed

Middleware, Software Development, Healthcare, Telco,

Financial Services

Smarter Remote Healthcare



Promote patient empowerment for chronic disease management by providing interactive telemedicine services via the web as well as a comprehensive support system



In the morning, John measures his glucose level with a glucometer connected to FI-CP – measuring 40 (normal is about 100) was entered into the system triggering an alert.



The patient (and caregivers) receives an SMS instructing the patient to swallow a teaspoon of sugar and turn on his internet disease management program for further instructions.

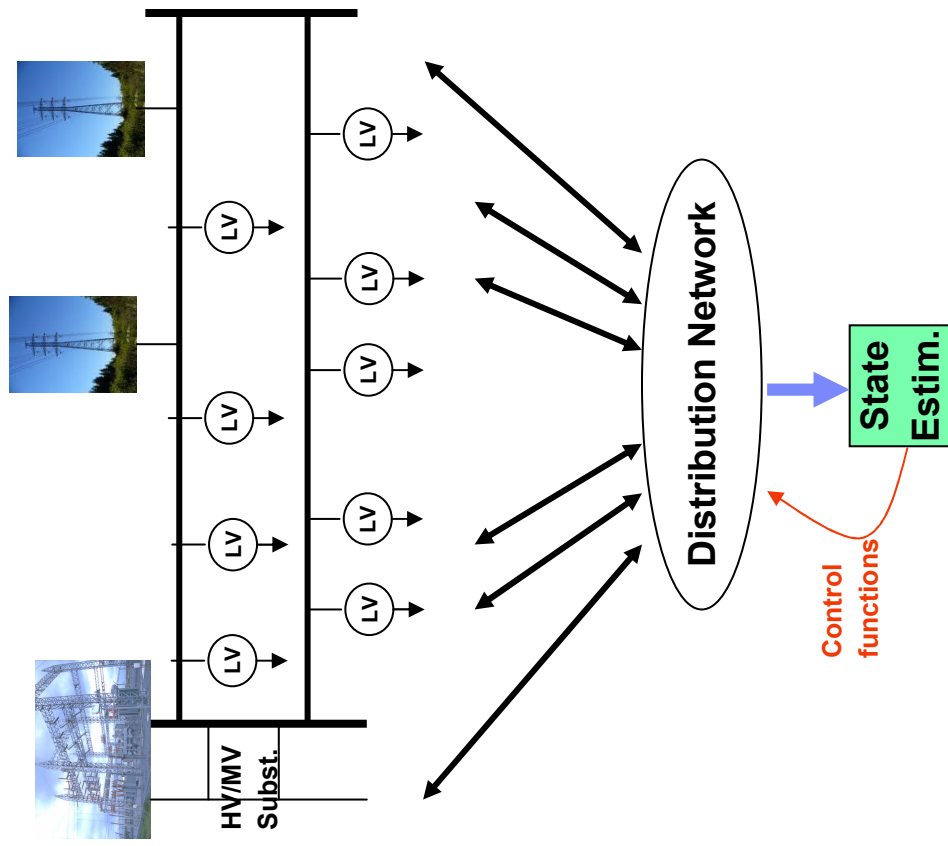
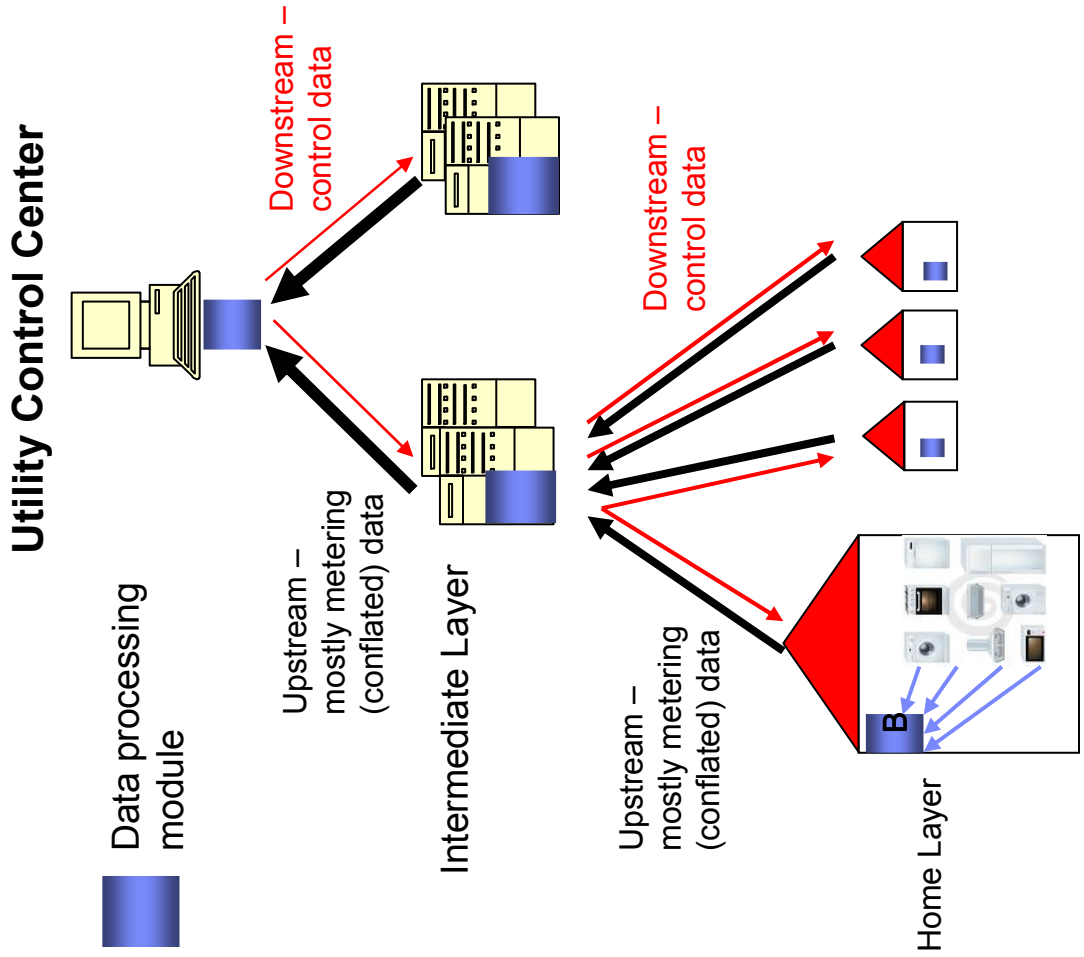
The program instructs him to answer some question and measure weight and other indicators

The answers and new measures initiate a video conference between John and the case management nurse and/or the doctor. The outcome is to order an ambulance.

Simultaneously, an SMS will be sent to the caregiver's cellular phone informing him of this result.

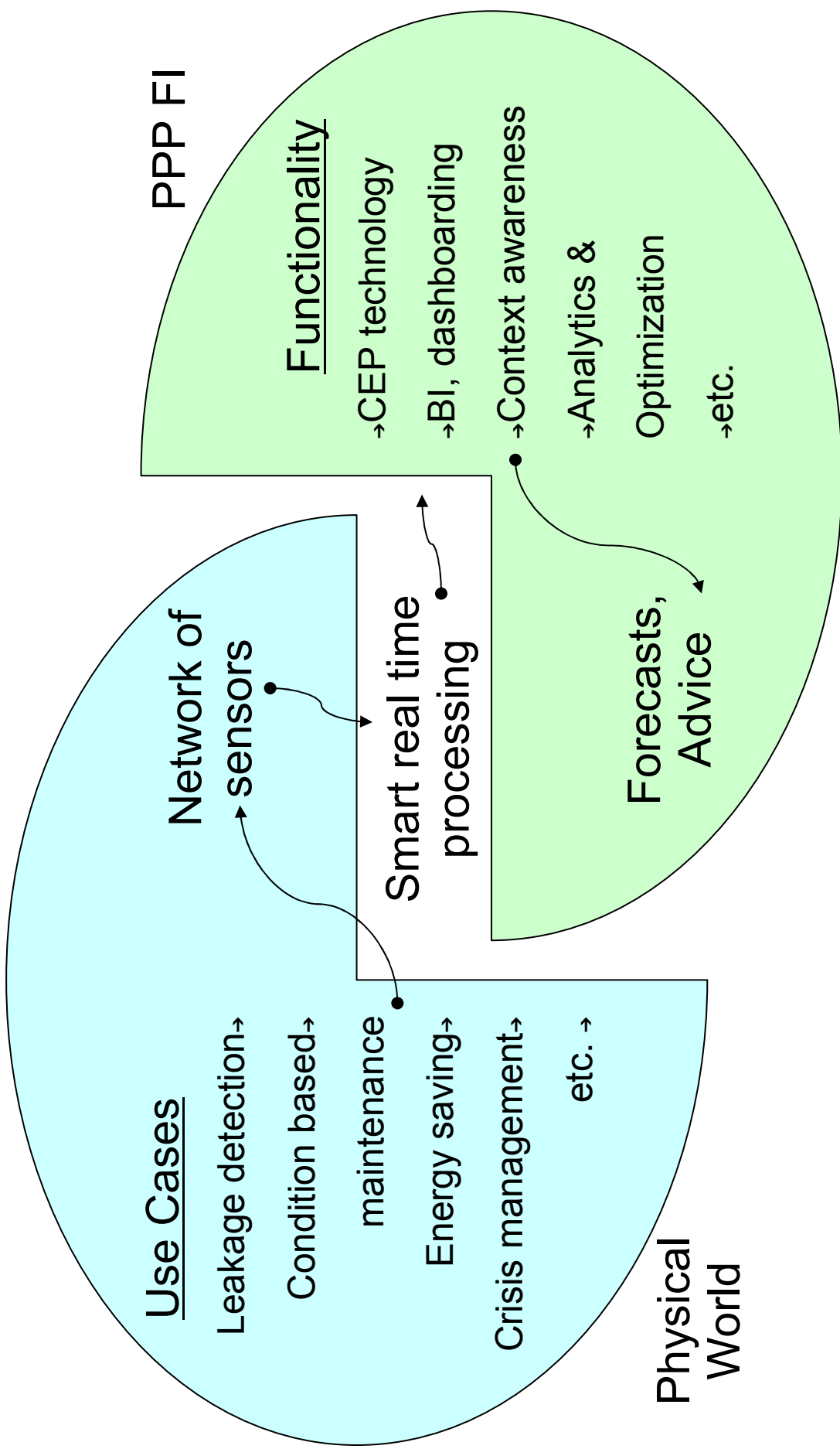


Information Flow in Smart Grid





Intelligent Urban Water Operations Management



IBM – scenario provider, technology provider

Top-level architecture for the proposed Responsive infrastructure

