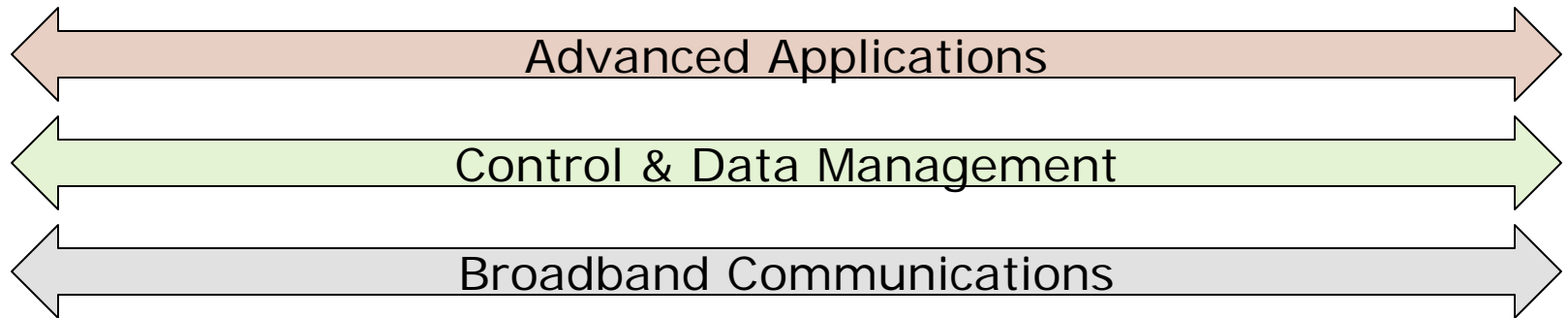




Smart Grid Reality – Justifying Smart Grid Investment

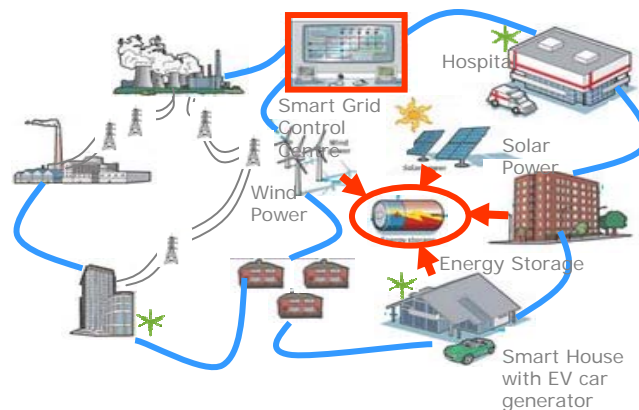
Ravi Krishnaswamy
Vice President
Energy Practice
Frost & Sullivan
Asia Pacific

Overall Smart Grid Architecture



Back office

- Integration of front end systems to decision making tools
- Software systems



Future Applications

- Electric Vehicles
- Advanced Storage
- Smart Appliances

Grid Side

- Automation of the grid
- Fault identification
- Outage Management
- Demand Management
- Remote Monitoring

AMI

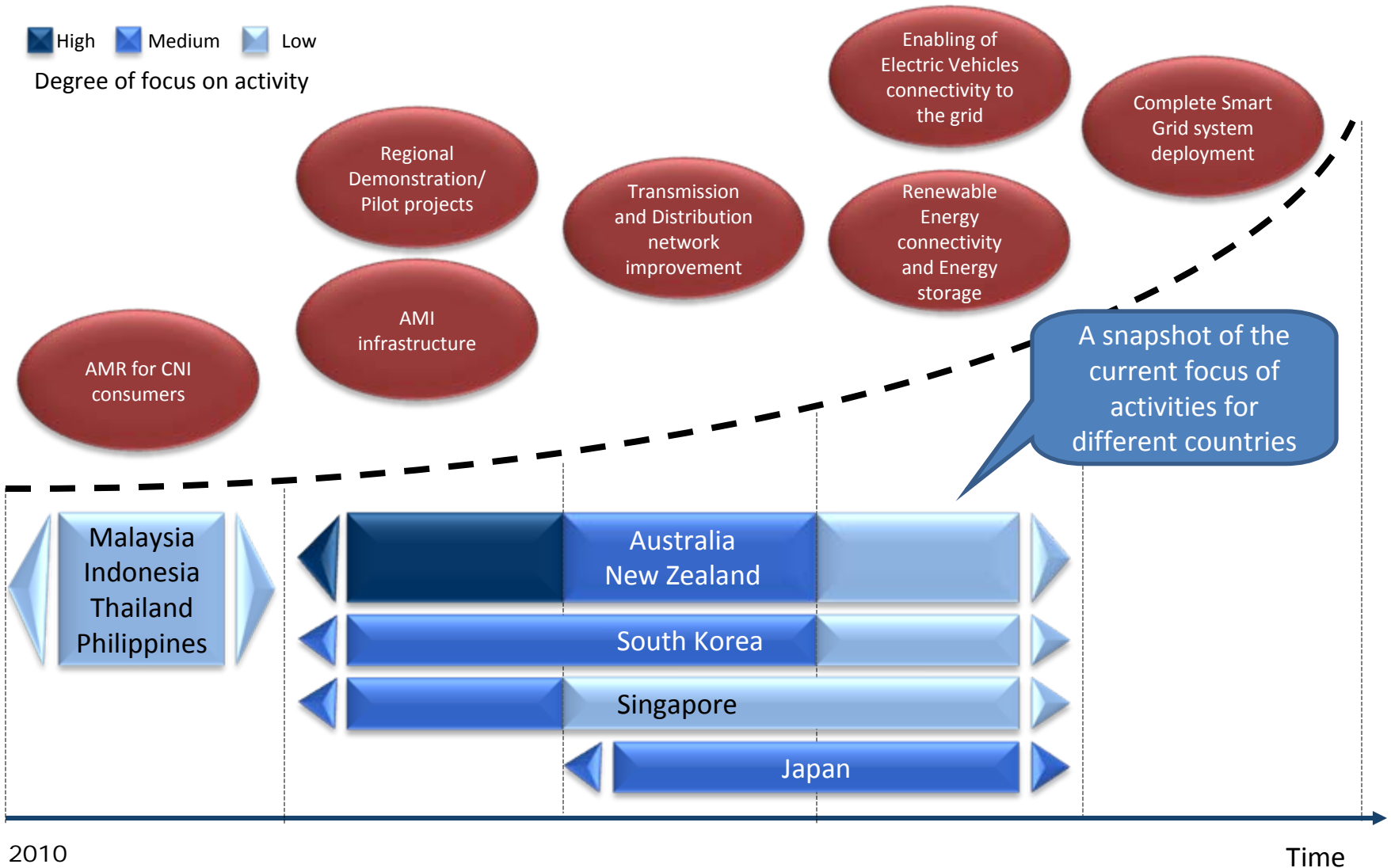
- Smart Meters
- Wide Area Network (WAN)
- Local Area Network (LAN)
- Home Area Network (HAN)
- Meter Data Management Systems (MDMS)

Customer Side

- In- home displays with real time usage/pricing statistics
- Home Energy Management Systems (HEMS)

Source: Frost & Sullivan

Asia Pacific on a typical Smart Grid development Roadmap



Source: Frost & Sullivan



Thank you

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