



ADMS Specification

most crucial criteria

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May 15th 2020

What is ADMS?

- **ADMS (Advance Distribution Management System)** consists of:
- SCADA with real time topology
 - Outage Management System (OMS) with mobility
 - Distribution Network Applications in real (DNA) time and study mode

Key Aspects

- 1) **PROCESSING REAL TIME TOPOLOGY** – Meeting performance requirements
- 2) **GIS Interface** – Importing data from a GIS and other corporate systems
- 3) **SIZING** – Distribution is about big numbers: customers, line segments, RTUs,.....
- 4) **High Availability environment** – matching all state of the art standards

Powerful SCADA Engine

The system needs to be prepared for

5) Large automation deployment

6) AMI interface – Meter events, values, status,....

7) Incorporate the Low Voltage – Unbalanced Networks

8) FLISR – Automatic Fault location Isolation and Supply Restoration

9) Interface with many stake holders – Customers, aggregators....

Have a customer oriented System

Internal Customers

- 10) **Strong OMS tools for Central and Local Operation**
- 11) **Mobile solution** – For field personnel. Safety is key
- 12) **Open environment-** DMZ applications for internal customers

External Customers

- 13) **STORM MODE** – Managing a big work force
- 14) **Reinforce the channels with your costumers**– Apps, Web.....

Bring DSO capacities to your System

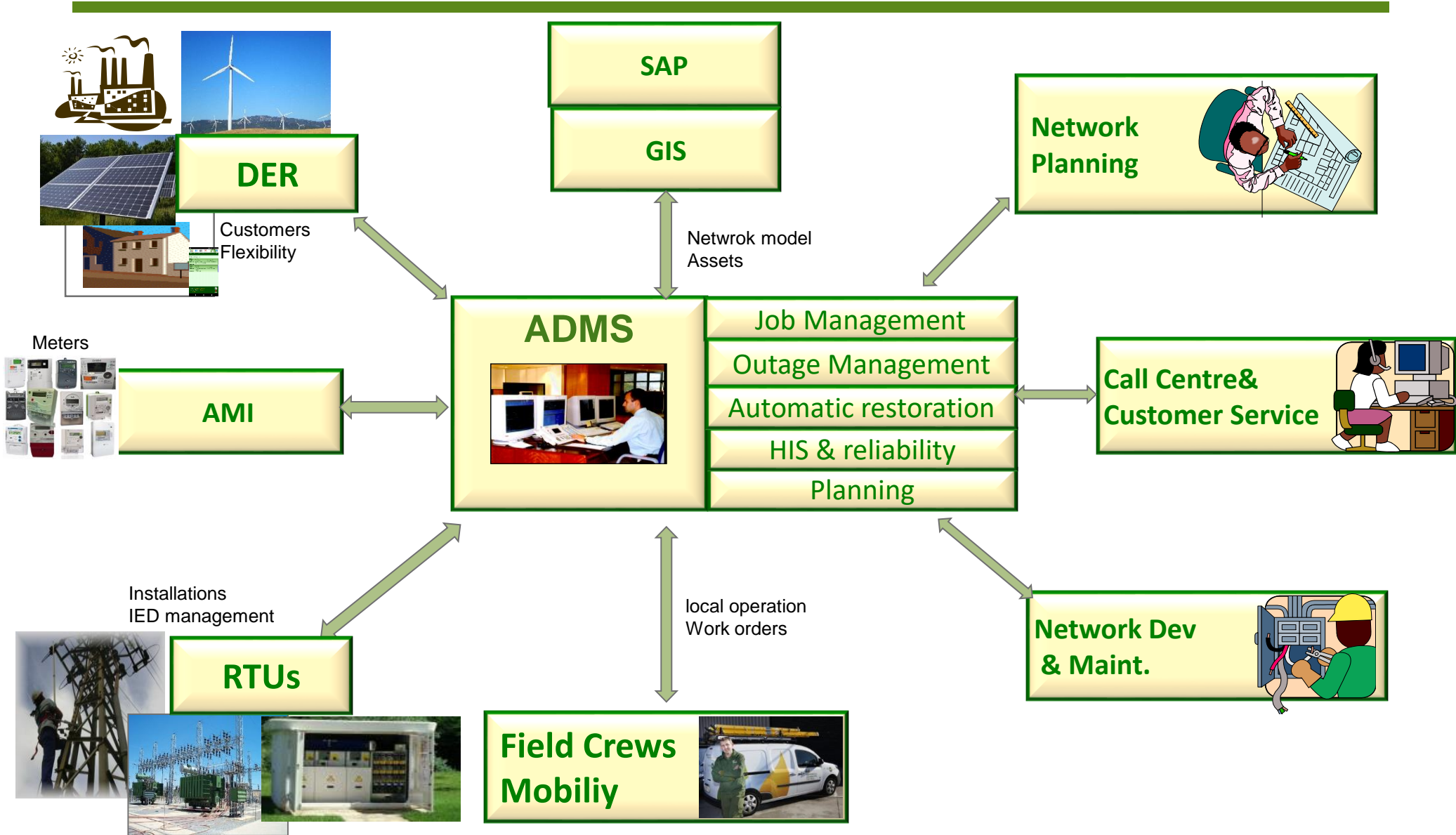
Network applications is the key player

15) Reliable estimation

16) Optimization algorithms OPF/OFR – using DER as control variables

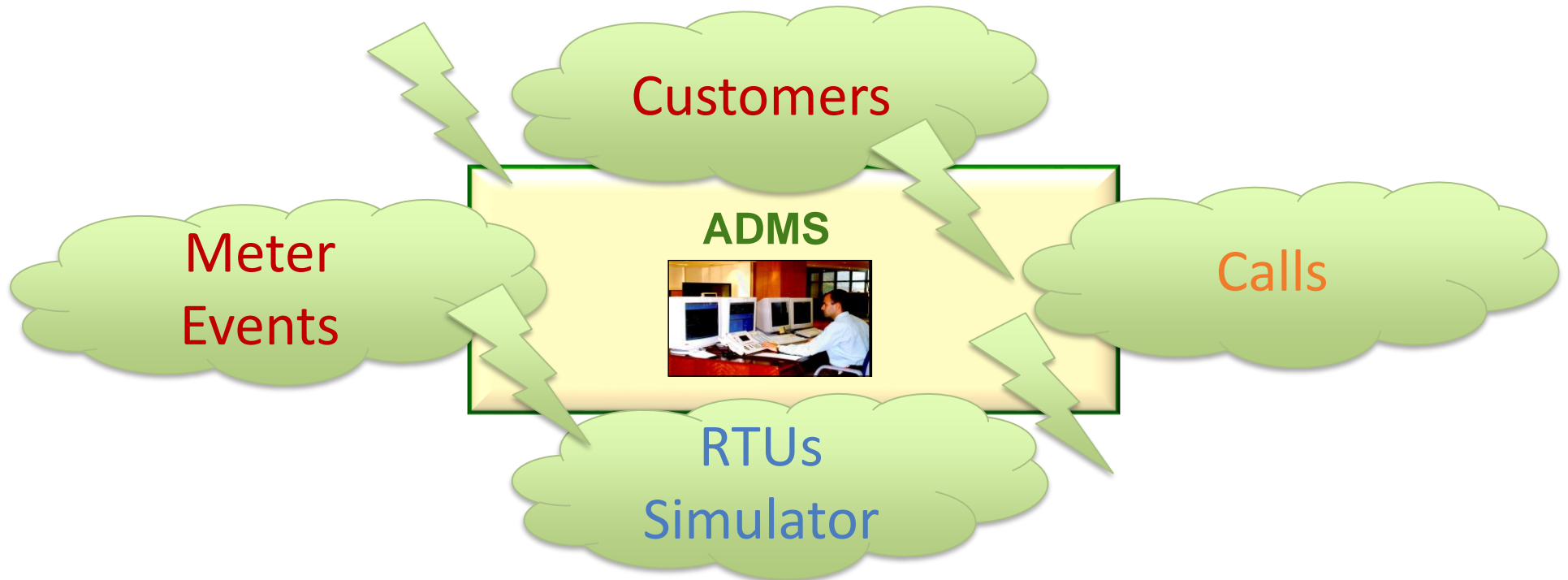
17) Extend your apps to the LV

ADMS is not anymore an island



One last hint

18) Do strong performance tests before commissioning





Thank you

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