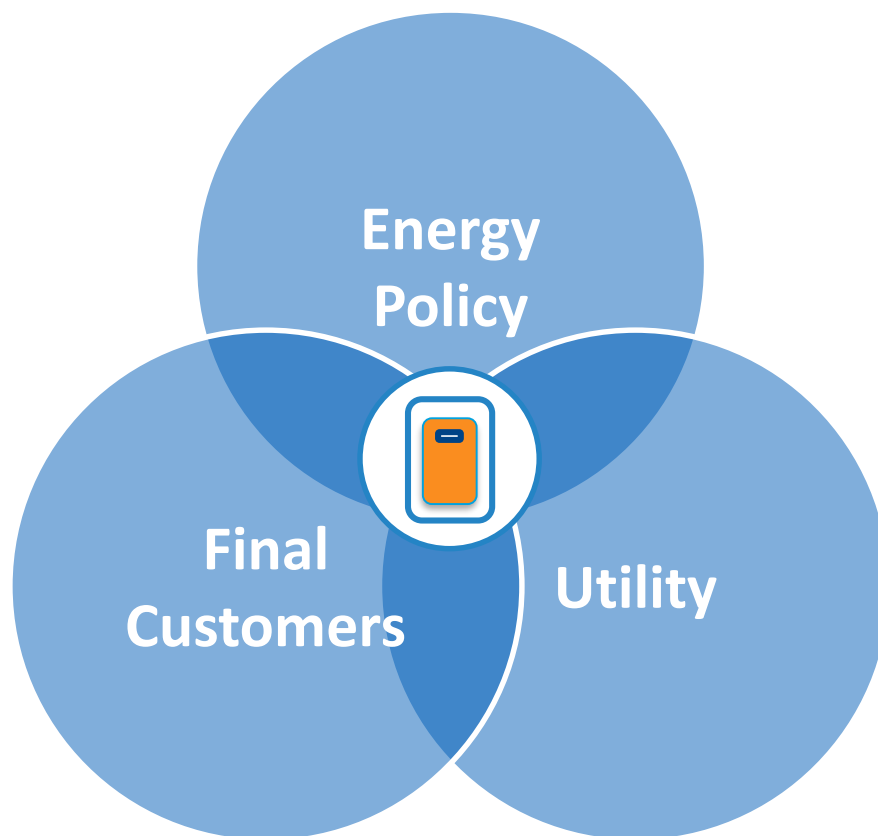


Lessons learned from Linky program France

A massive roll-out 35 million smart meters

Smart Meters in France : What we learned

SMART METER : TURN A CONSTRAINT INTO AN OPPORTUNITY



EDF Distribution KPI's

SAIDI : 65 min
SAIDI Paris average : 12 min
SAIFI : 0,77
3% Technical Losses
3% Non technical Losses

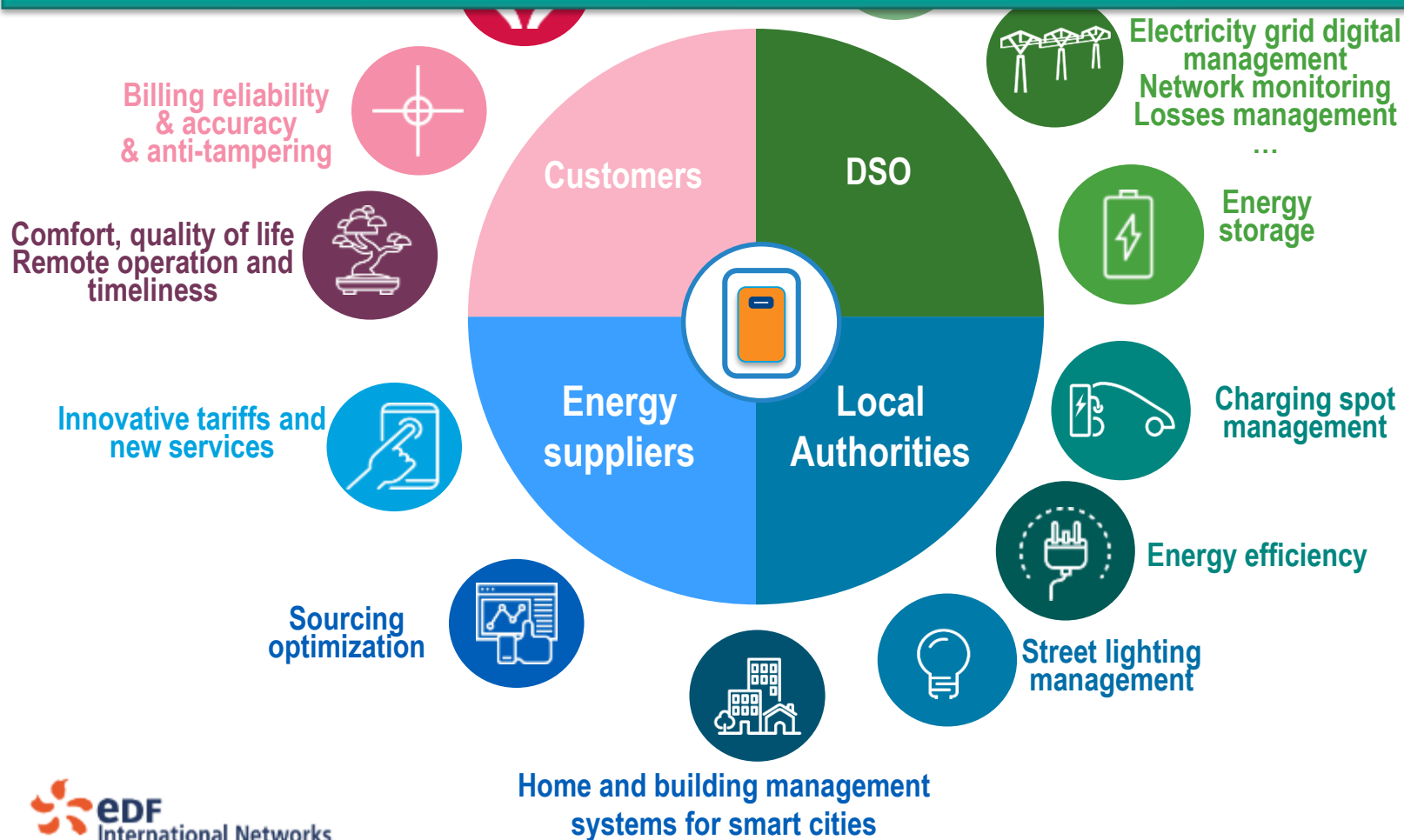
Smart metering at the heart of the Energy Transition



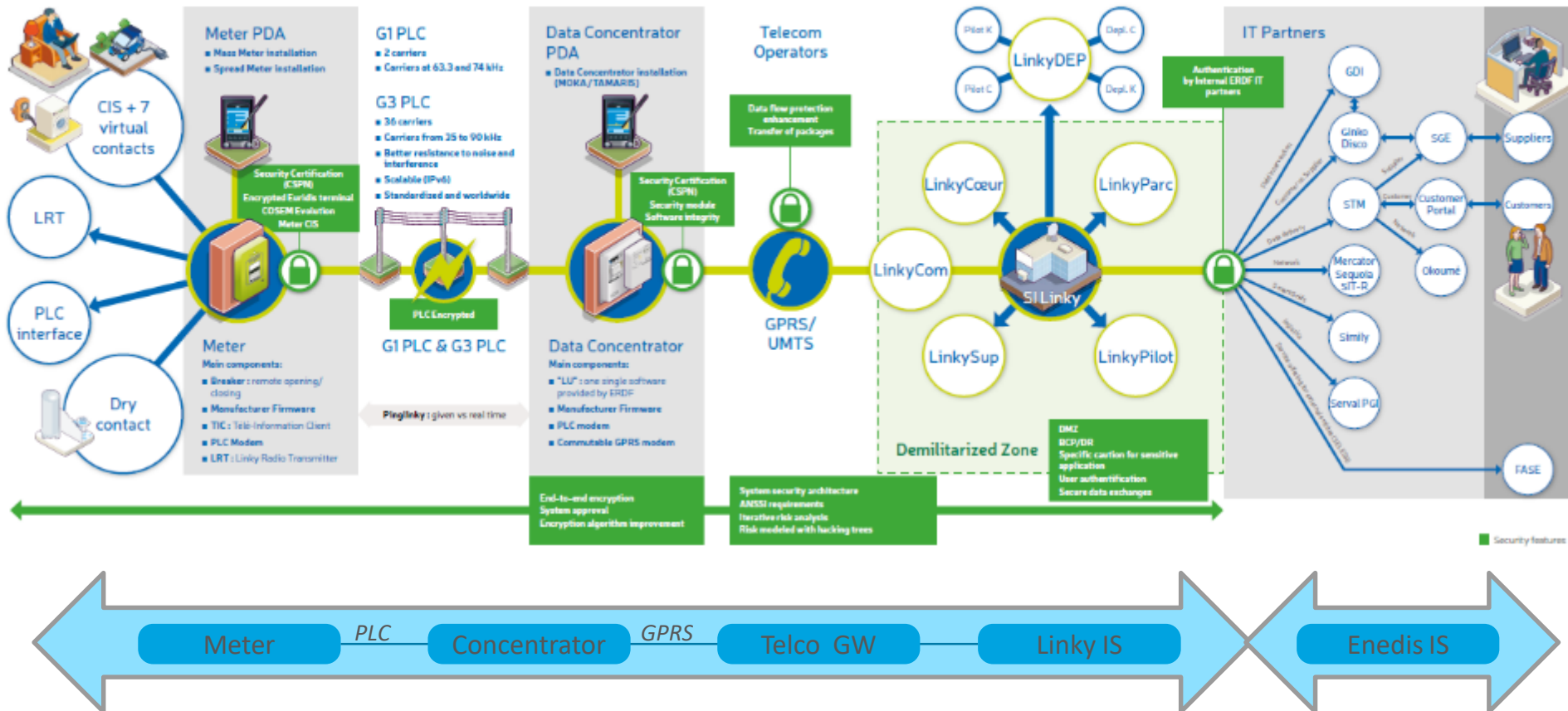
Smart metering at the heart of the Energy Transition

Self consumption

VITAL EVOLUTION OF THE ELECTRICAL INFRASTRUCTURE TO MEET THE NATIONAL ENERGY CHALLENGES



Architecture of the Linky System



Smart Meters for Residential Customers



- 1 Metrological Led
- 2 Display
- 3 Push button
- 4 Serial Number and legal information
- 5 Sealing
- 6 LED
- 7 Time of Use (TOU) switch
- 8 Pulse output
- 9 Fuse



New offers development

- 10 energy tariff registers for the supplier and 4 energy tariff registers for the DSO
- Producer and consumer load profiles (time resolution : 10 / 15/ 30 and 60 min)



Remote operations

- Opening and closing of the breaker
- Opening and closing of the TOU switch
- Change of maximum allowed power

Bidirectional

Evolutionary

Interoperable


Secure

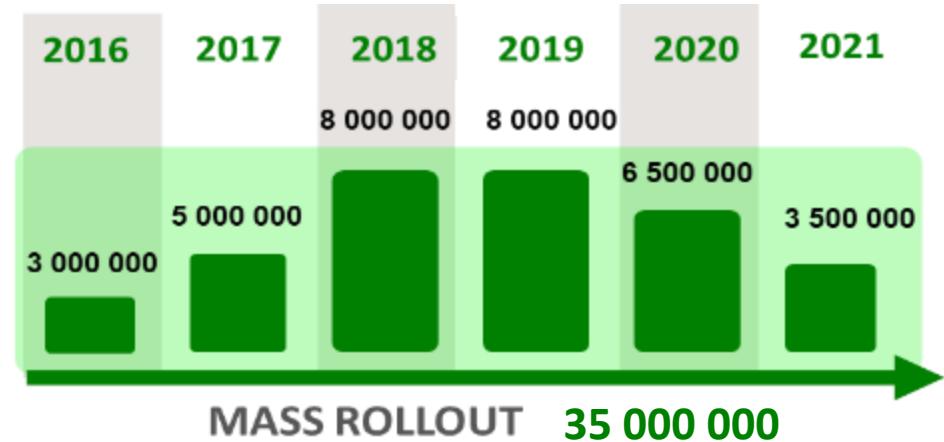
Smart Metering: EDF's Proven Solution

Schedule on track

 **22 000 000 METERS INSTALLED**
30 000 METERS / DAY

 **750 000 METERS PRODUCED /MONTH**

 **4 000 OPERATORS IN THE FIELD /DAY**



Quality



99% SUCCESS RATE
OF REMOTE OPERATION



99 % DAILY
COLLECTION RATE (23h59)



>1.5 billion DATASETS
COLLECTED / TRANSFERRED / STORED
PER DAY

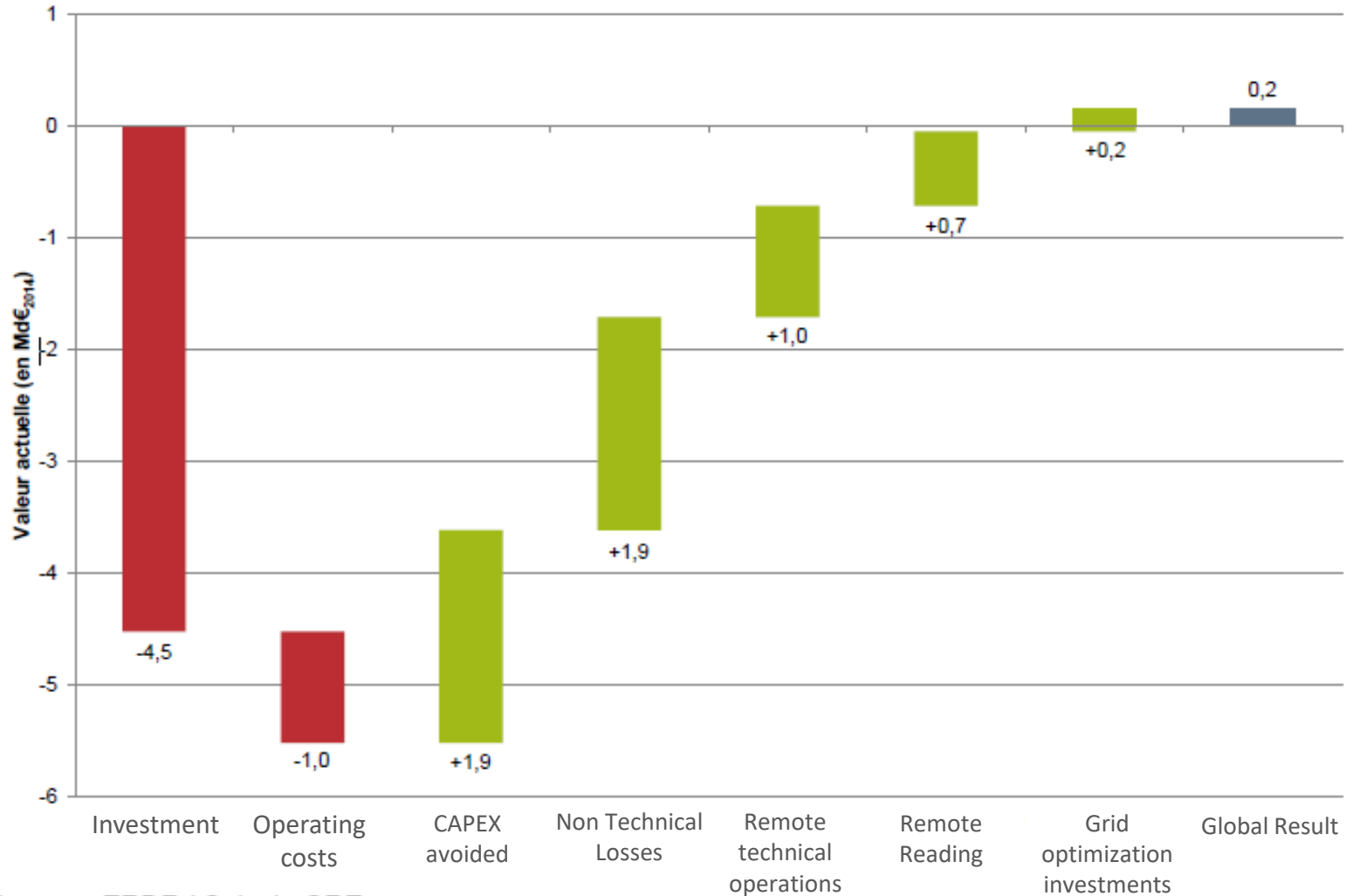
Budget



4,2 billion € (update forecasts, initial cost was 5bd€)

CAPEX BY
2021

A Self-Financing solution/Regulator

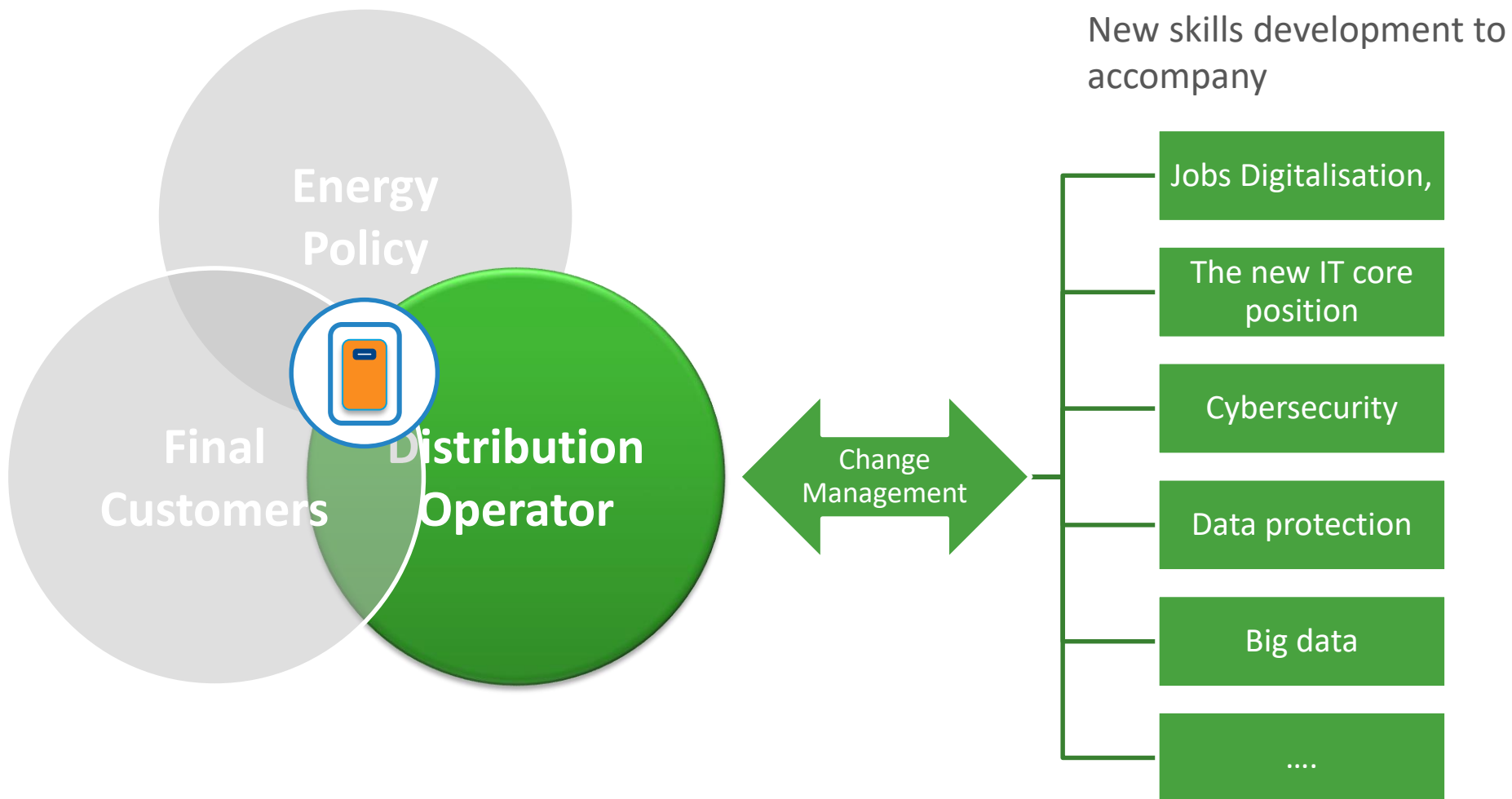


Source : ERDF / Calcul : CRE

The main lessons from Linky Program

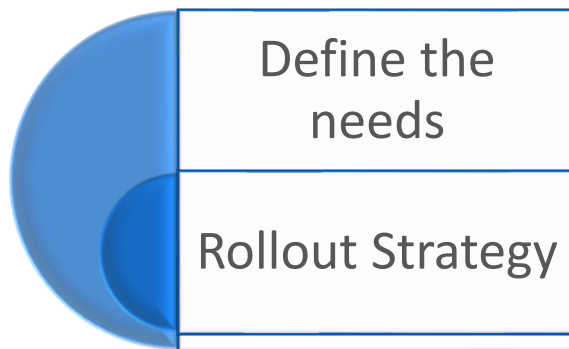


Smart Meter : EDF's Change Management

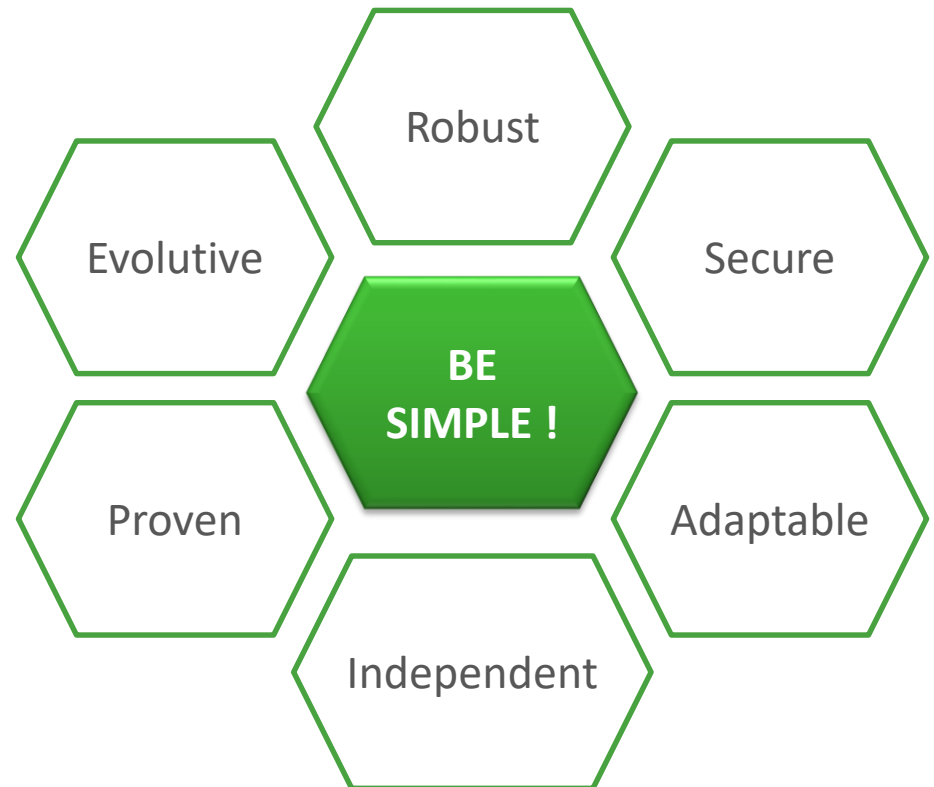


Recommendations 1

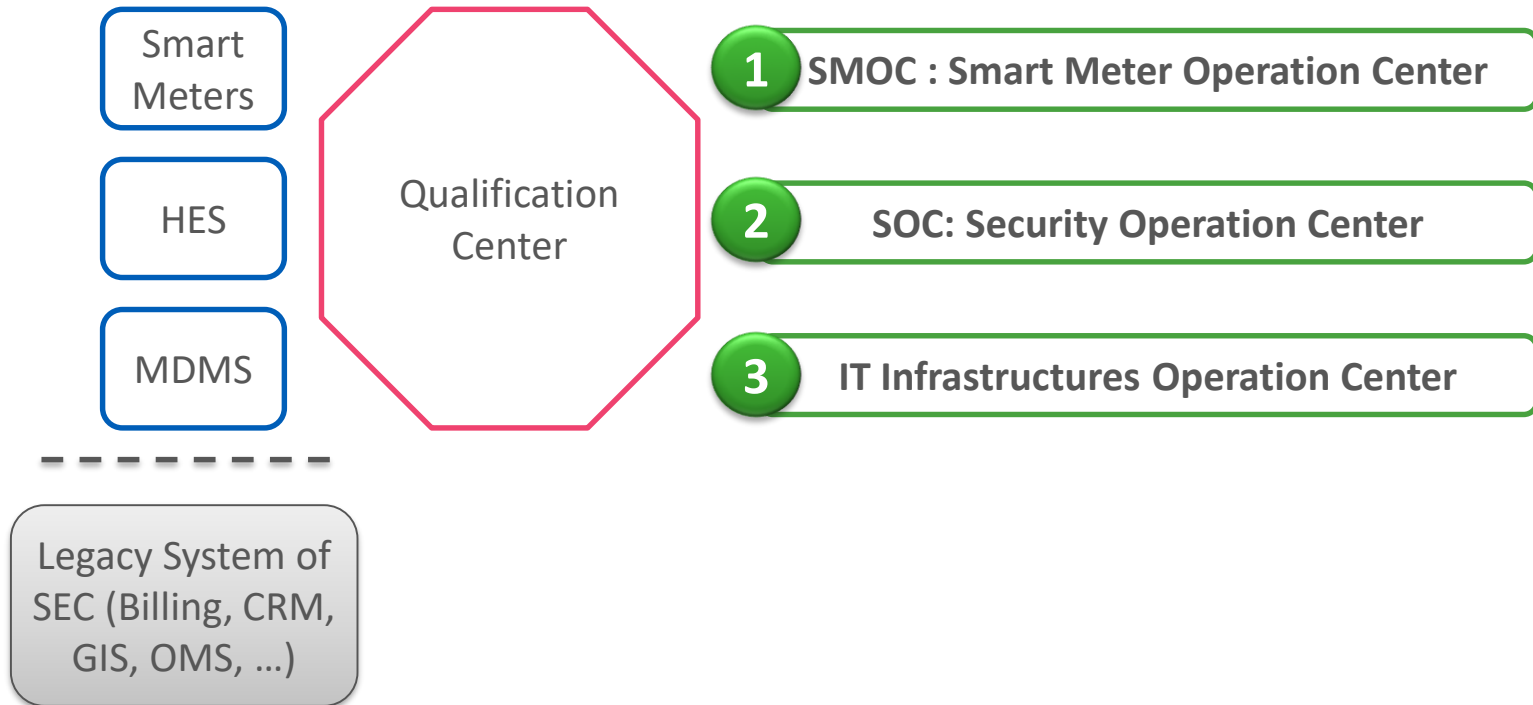
BEFORE LAUNCHING THE TENDER



IN ORDER TO BE SUCCESSFUL



End to end solution From Meter to Cash



Recommendations 3

An end to end solution from meter to cash

STEP 1
Prepare the project



STEP 2
Implement



STEP 3
Operate & Maintain



Know-How Transfer from Utility to Utility

**Thank you for your
attention**