



The Association of Electricity
Distribution Undertakings in
Namibia, AEDU Namibia

AMEU/AEDU NAMIBIA TECHNICAL CONFERENCE

THEME: "REMAINING THE ELECTRICAL SUPPLIER OF LEAST COST"

15-16 MARCH 2018
Swakopmund, Namibia



Practical and Cost Effective Distribution Automation

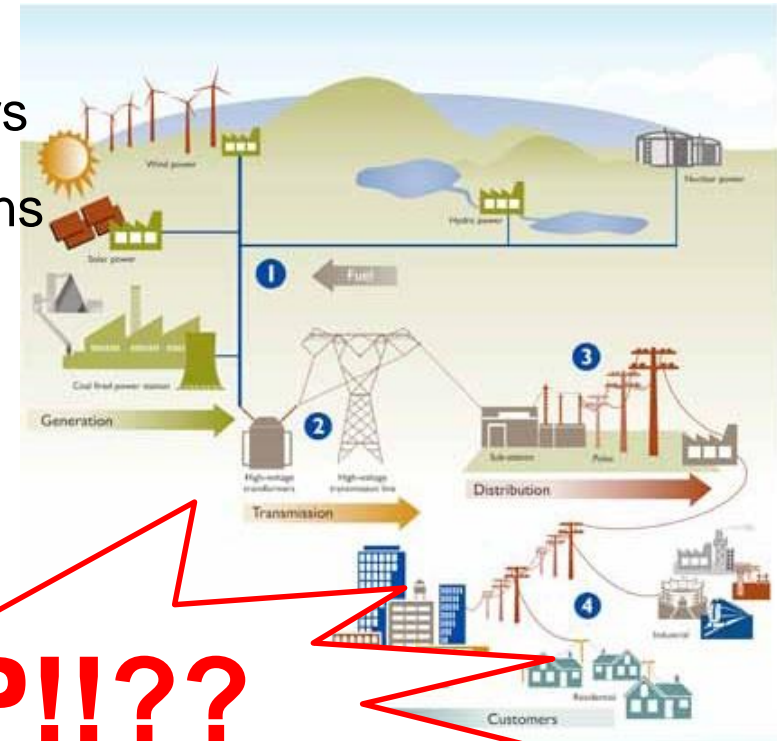
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Our distribution grid challenges

More than 200,000Km of lines and a vast Distribution area.

Common Challenges:

- Vast area with many long feeders
- Extreme environmental conditions
- Aging infrastructure
- Never enough resources
- More demanding customers



The cost of outages

- Significant cost to customers and economic growth.
 - Significant maintenance costs.
 - Significant revenue loss to the utilities.
 - Revenue that could have been used for improvements in the power grid.
 - Contribute to the cost of supply.
- ❖ **Where can we make an immediate difference?**
- ✓ **By reducing the outage duration from technical faults on overhead distribution lines.**

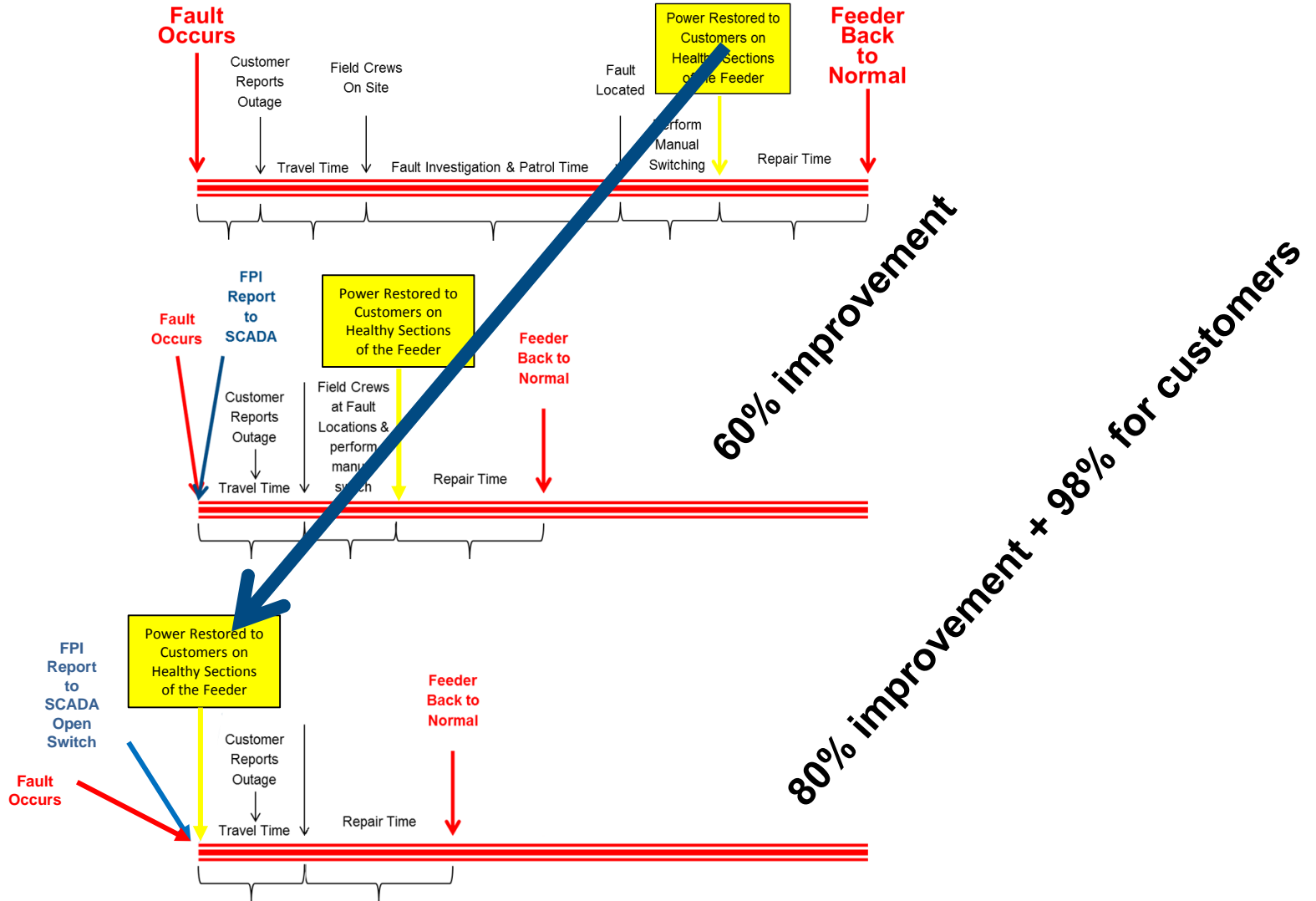
Is there a cost effective way to automate?



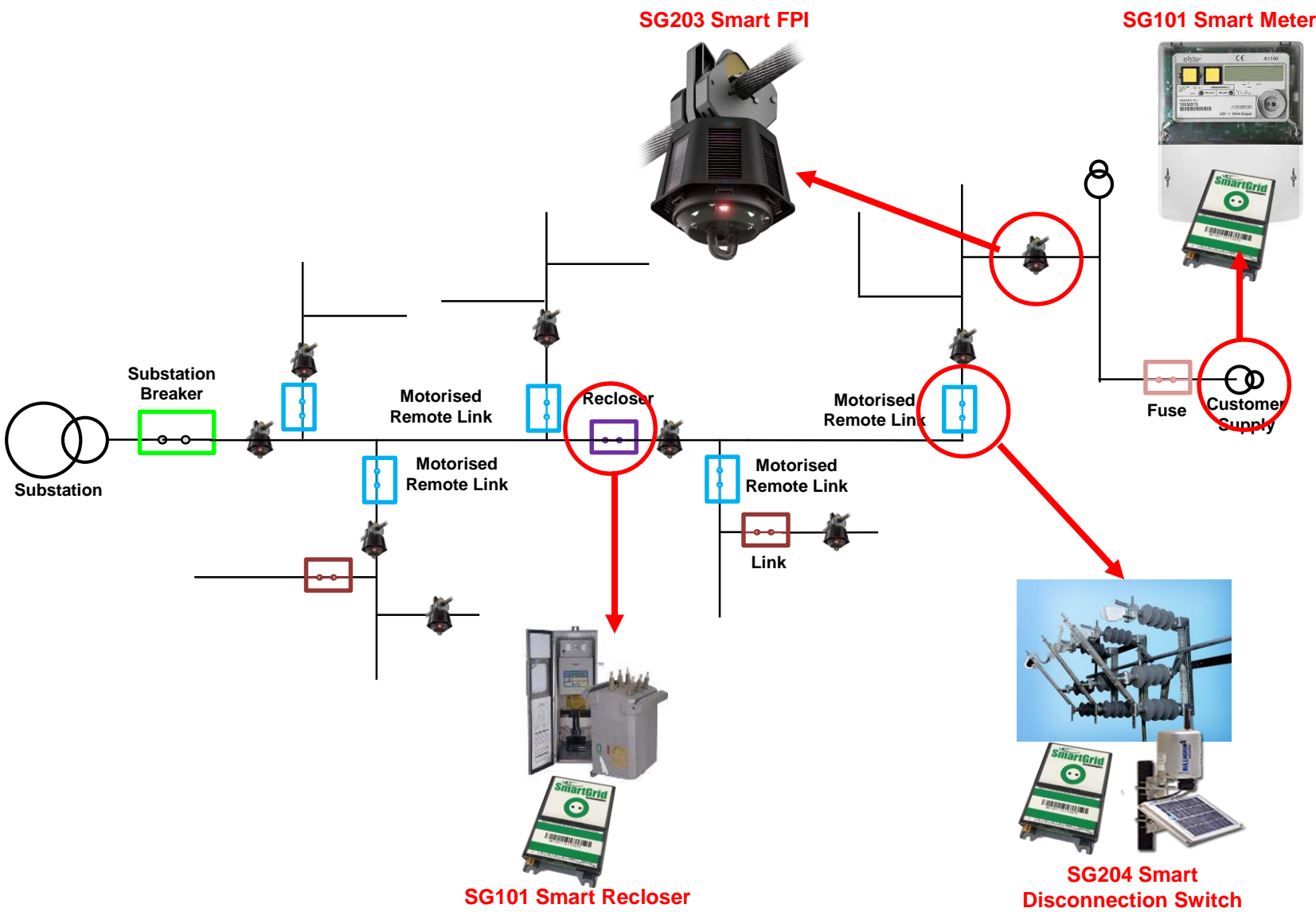
**"It always seems impossible
until it's done."**

- Nelson Mandela

How will the automation improve efficiency



How to manage faults and restore supply



Results from a deployed remote controllable system

- Improved grid operations and utilisation.
- Improved situational awareness of the grid.
- Freed up maintenance resources.
- Increased revenue.
- First step towards full distribution automation.
- Happy customers, employees and accountants.

The architecture we implement today will determine what we can do with the grid in the future...



Enabling the Smart Grid of Tomorrow.... Today.