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IoT in Rural America:

From Energy Efficiency to Grid Reliability

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Agenda

1: What is Internet of Things (IoT)?

2: IoT usage in Rural America

3: IoT can improve Grid Reliability

4: Conclusion

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Veteran Consultant for 25 years
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What is Internet of Things (IoT)

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- The network of various things and objects
- Connected through wired or wireless internet
- Can communicate and share information
- Analyze the received information and data
- Makes intelligent decisions

“A Smart Environment”

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Forecast for IoT

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By year 2020

- There will be 5 times of ‘Other Devices’ compared to PCs and Mobiles
- There will be 200^{+} Billion connectable devices will be available
- There will be 50^{+} Billion devices will be connected to each other

Creating an Open and Global Network

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1. Inter-connectivity
2. Heterogeneous
3. Object related Services
4. Changing Dynamically

IoT for Rural America

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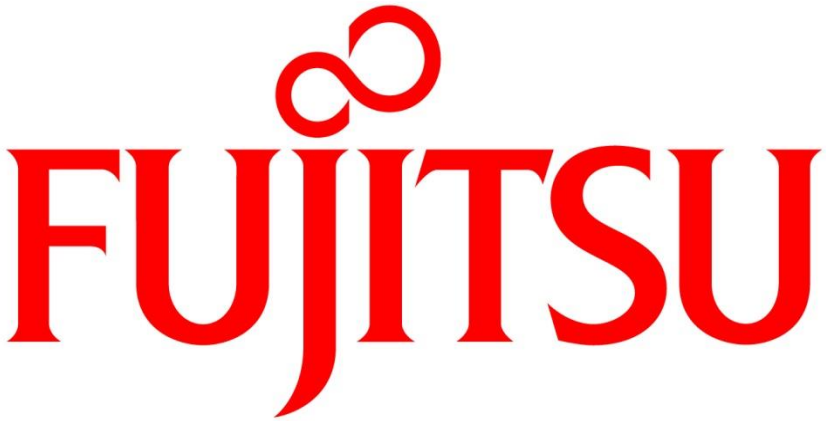
Application of Internet of Things can be implemented at:

1. Consumption Level:
   - Smart Cars
   - Smart Homes,
   - Smart Meters etc.

2. Transmission and Distribution Level:
   - Smart Sensors
   - Smart Transformers

3. City Level:
   - Smart Transportation
   - Smart Safety and Security



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