



SMART METERS

- The Future Wireless Billing

Webinar by **Competitive Intelligence & Market Research Team, GBS – Cochin**
in collaboration with **Commercial Business Line Team**

Smart Meter Market



▲ **Smart Meter** is an advanced meter that identifies consumption in more detail than a conventional meter and communicates that information via some network back to the local utility for monitoring and billing purposes.

▲ **Features:**

- ▲ Gives digital reading and has an electronic system.
- ▲ Connected to a communication network and gives real time usage details.
- ▲ Utility companies can monitor in real time, as well as study usage history regularly.

▲ **Product Types**

▲ **Time of Use (ToU) Meter**



▲ **Interval Meter**



▲ **Prepaid Meter**



Numeric Token System



Smart Key System



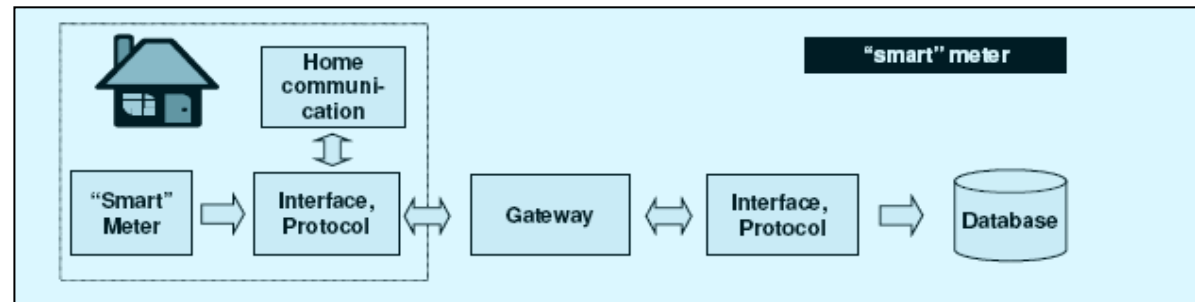
Smart Card System



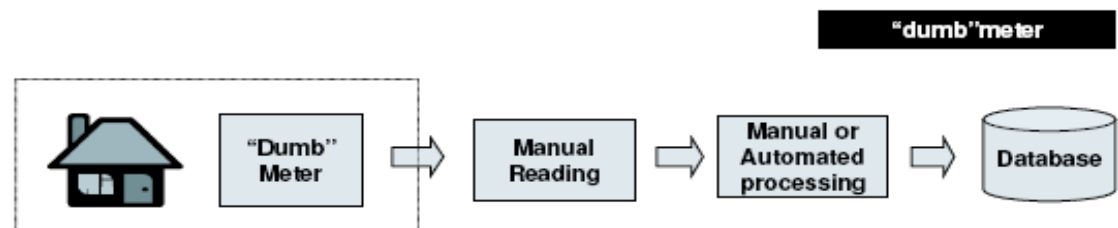
■ A typical AMI includes:

- Home network systems, including communicating thermostats and other in-home controls.
- Smart meters
- Communication networks from the meters to local data concentrators,
- Back-haul communications networks to corporate data centers
- Meter data management systems (MDMS) and finally
- Data integration into existing and new software application platforms.

Smart Meter – Schematic Diagram

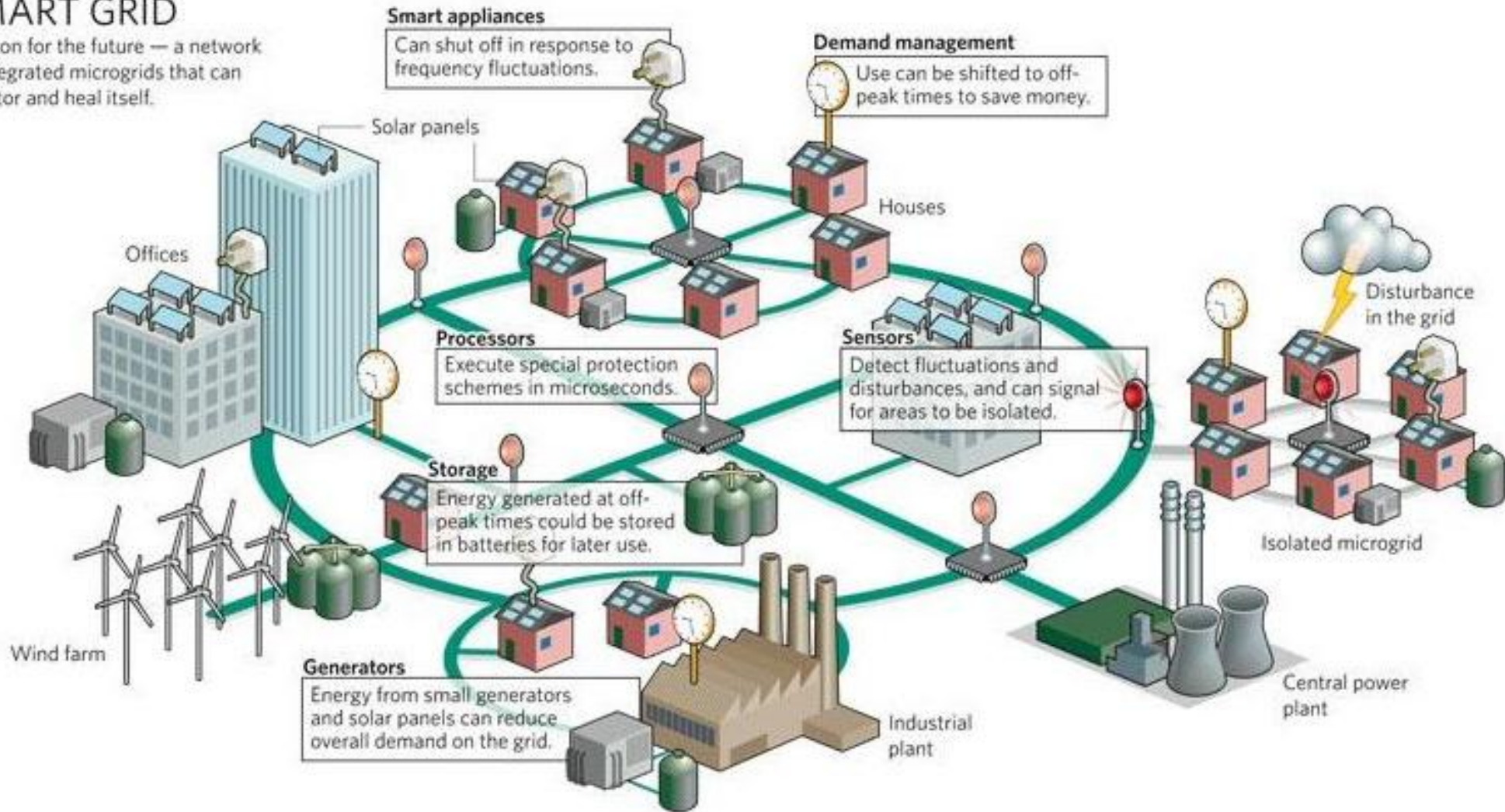


Normal Meter – Schematic Diagram

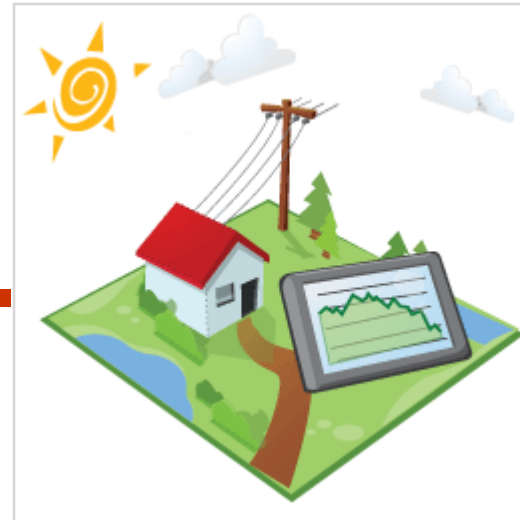


SMART GRID

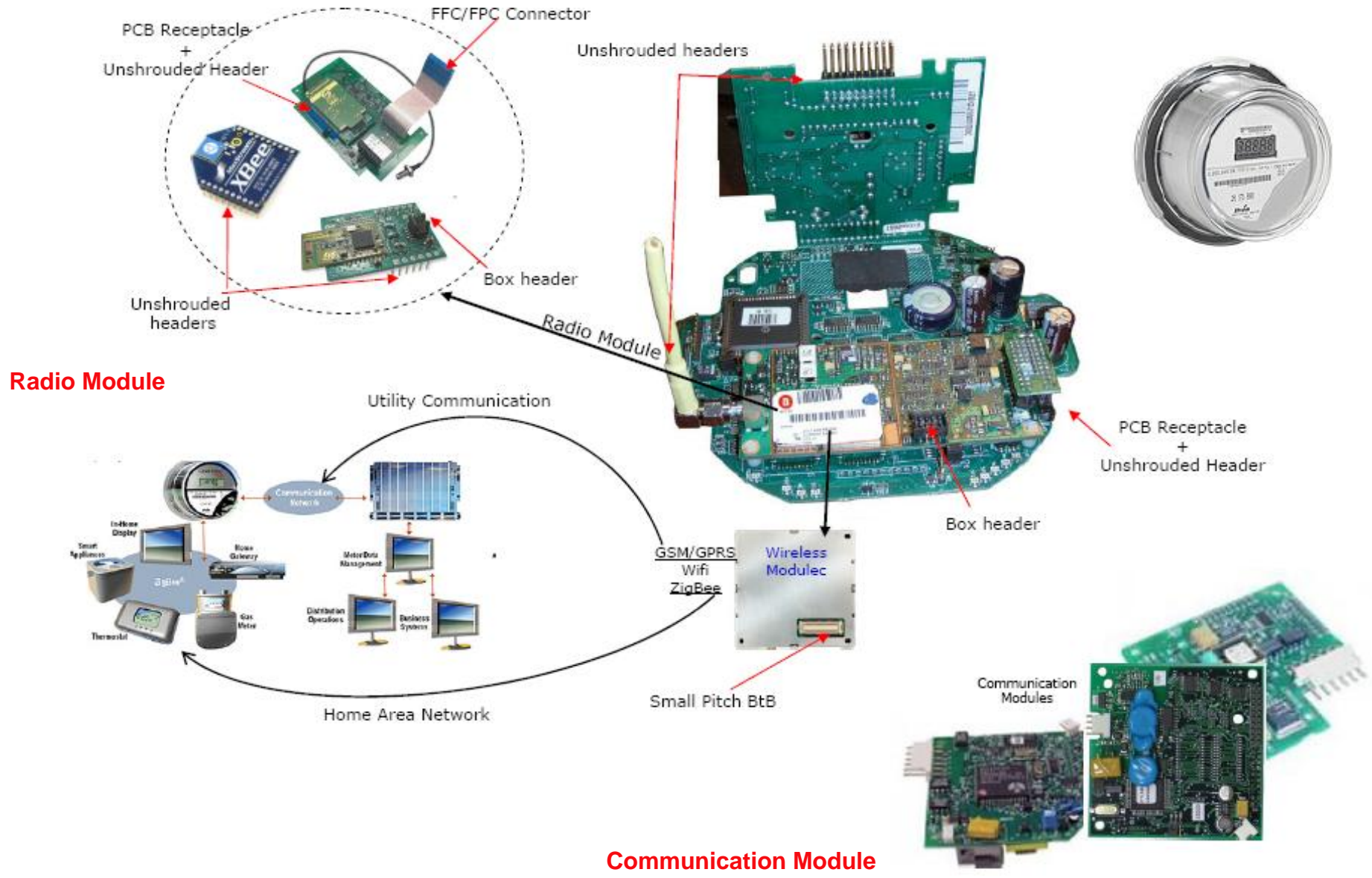
A vision for the future — a network of integrated microgrids that can monitor and heal itself.



FCI Product Offering



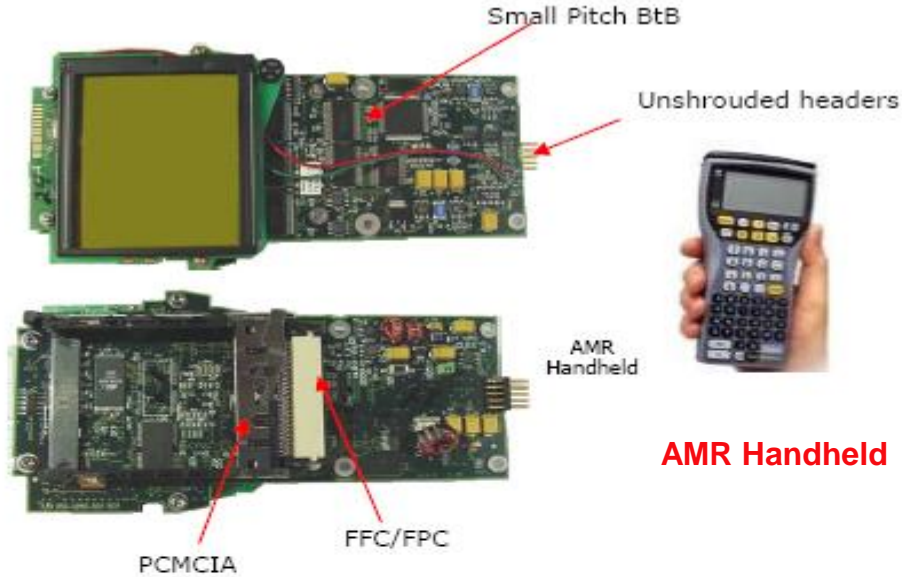
Utility Metering – FCI Connector Offering



Radio Module

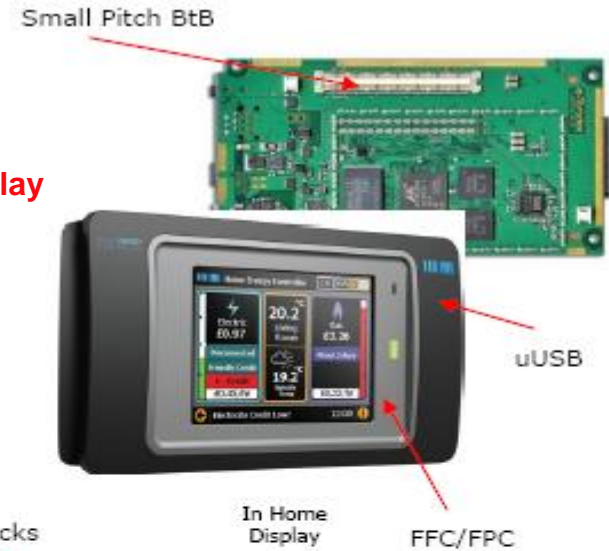
Communication Module

Utility Metering – FCI Connector Offering



AMR Handheld

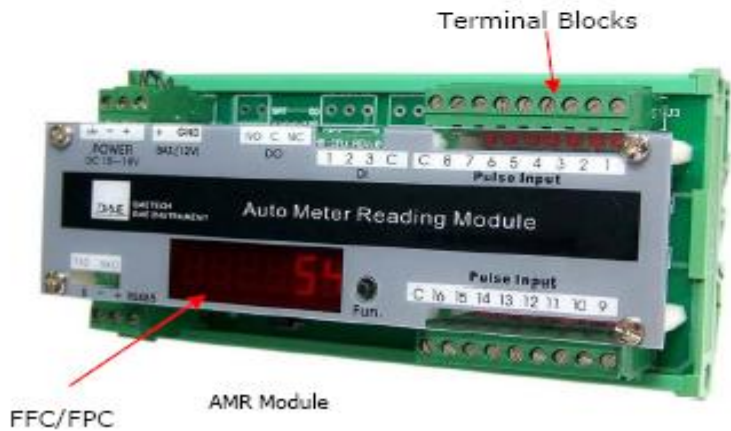
In Home Display



Terminal Blocks

In Home Display

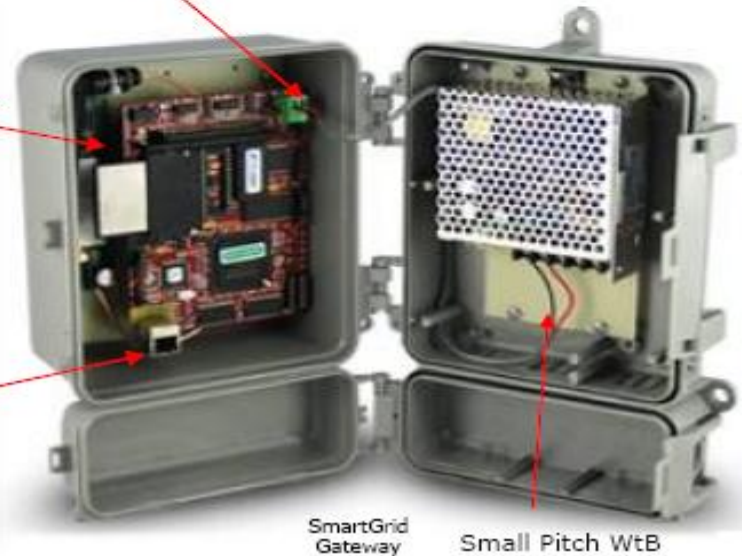
FFC/FPC



AMR Module

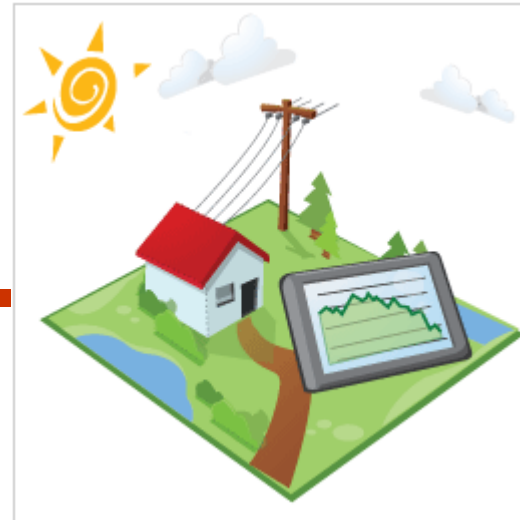
Unshrouded headers

Modular Jack

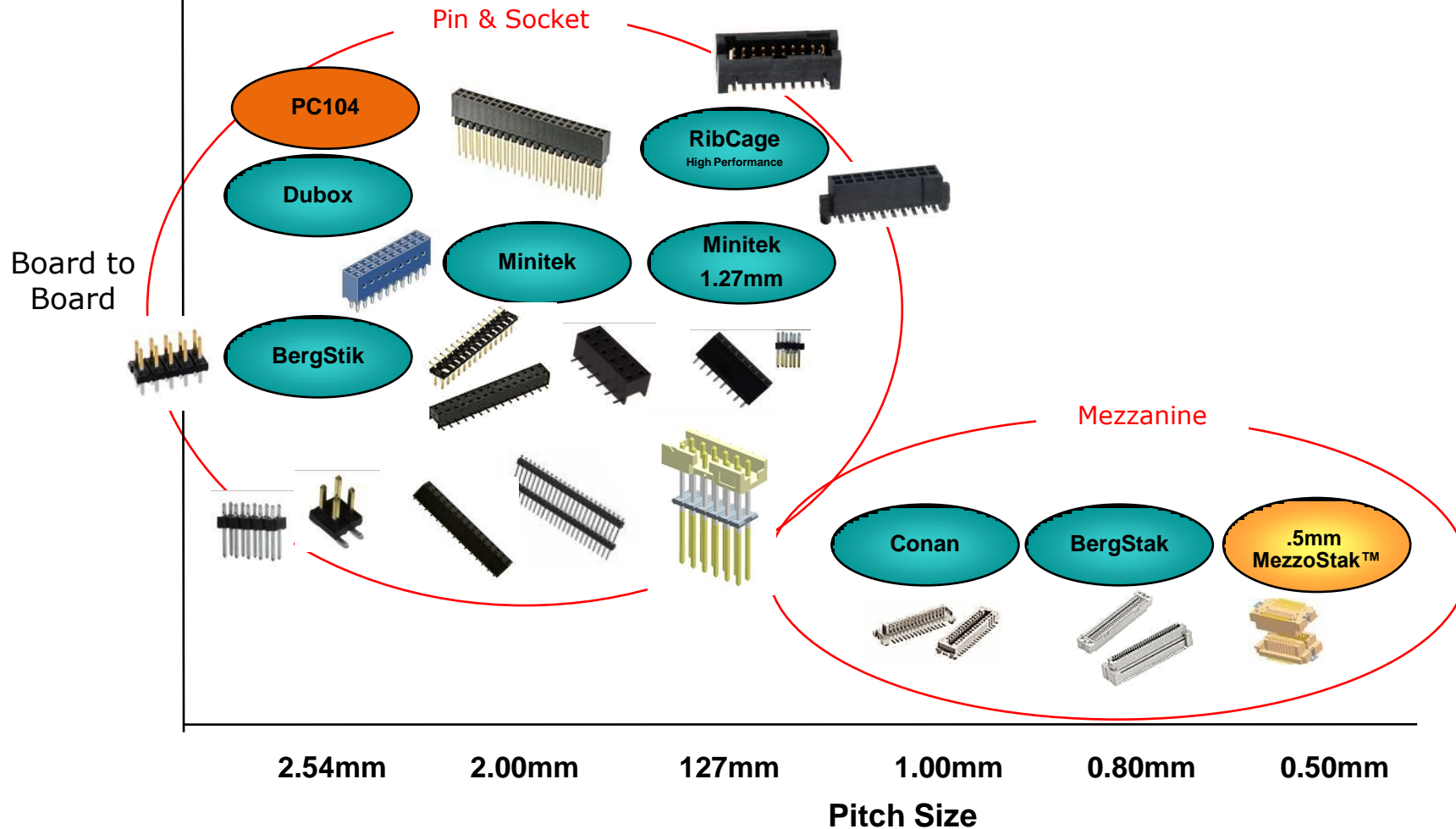
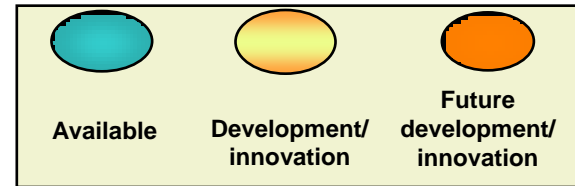


Smart Grid Gateway

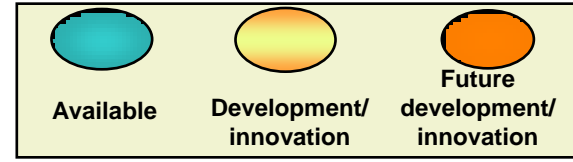
FCI Connector Roadmap



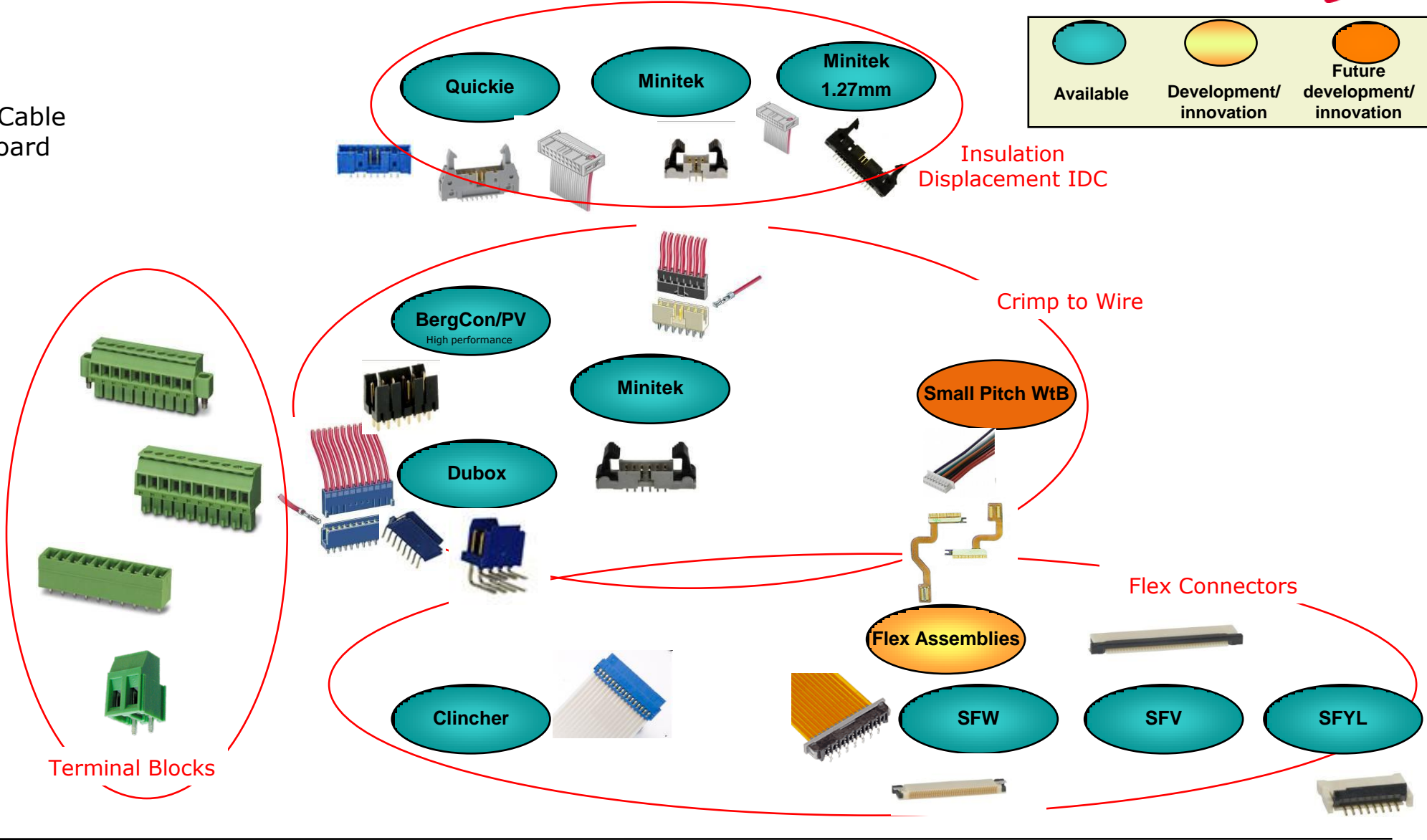
FCI - Smart Metering – Product Roadmap



FCI - Smart Metering – Product Roadmap



Wire/Cable to Board



5.00mm 3.50mm 2.54mm 2.00mm 127mm 1.00mm 0.50mm 0.30mm
Pitch Size

FCI – Smart Metering – Product Roadmap

