TE Connectivity

EVERY CONNECTION COUNTS
TE Connectivity - Overview
TE Connectivity - Geo Spread

- Manufacturing Presence in over 25 countries
- Operations in over 50 countries
- Customers in over 150 countries

**Pune Factory**
- People – 482
- Size – 9,800 Sq. mtrs.
- Product Alignment – Cable Assemblies
- Alignment – GAD EMEA

**Bangalore Factory Campus**
- People – 2844
- Size – 24,000 Sq. mtrs. (4 plants)
- Product Alignment – Connectors, Inductives, Sensors, Clock Springs, Mechatronics, Cable Assembly, Fiber Optics, Enclosures.
- Industry – Communications, Consumer, Industrial, Commercial, Automotive, Aerospace

**India Operations**
- Total Sales Force - 109
  - Delhi
  - Mumbai
  - Hyderabad
  - Chennai
  - Pune
  - Bangalore
  - Kolkata
  - Others
TE India Capabilities

- Cable harnessing for Aerospace Defence & Marine applications
- Microdot Cable & Connector assemblies
- Overmoulded cable assemblies
- Engineering design capabilities – Harness, Connectors, ECP & HPG relays
- Plastic, Injection Moulded Components
- Rugged fiber optic cable assemblies
Collaboration
Strategic Context

• Interconnectivity solutions becoming more complex in Aerospace & Defence – there is a need for trained harness designers.

• >10000 trained operators/technicians required for defence harnessing projects by 2017 but current ITI/ITC set up in India cannot cater “employable” manpower.

• No IPC-WHMA-A-620A certification training center in India. TE Connectivity, Harrisburg is already a certification training center for IPC-WHMA-A-620A (industry standard for cable harnessing) for North America

• Large offset projects in ADM markets. Global standards to be followed in execution of these projects.

• High speed requirements driving copper to fiber conversion. No standard fiber optic installation and deployment training available in India for Defence industry
Embedded Support – Electrical Harness Design

- Most of the global standards in harnessing were adopted from Raychem and AMP, two of TE’s most powerful brands.
- TE’s Harnware is the default software used for harness design by major Aerospace & Defence companies worldwide.
- TE can position trained designers to work alongside engineers in PSUs to support harness design activity.
- Designs will be owned by PSUs.
- Alternatively, PSU engineers can be trained on Harnware.
Training & Certification - Product Matrix

- IPC-WHMA-A-620A Certification (currently offered in TE USA)
- TE Harnessing Technician Certification
- Hardware/Harnvis (already being offered in India to select customers)
- Amp Act Certification (already being offered in India)
- NavSea Fiber Optic Certification (offered in USA by TE’s partner Kitco)
- Solar Training (offered by TE outside India)
  Application Tooling Training
Training & Certification

• Advantages
  – Trained operators will ensure reliability and quality of manufacturing
  – Adherence to global standards
  – Workmanship standards can be defined in tenders when outsourcing harnessing activity

• Productivity & Cost
  – Trained operators more efficient
  – Cost of training will be lower in India
  – Availability of large pool of operators with basic skills
Contact Details

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