



# TE Connectivity

EVERY CONNECTION COUNTS



# TE Connectivity - Overview



# TE Connectivity - Geo Spread

Global

India Operations



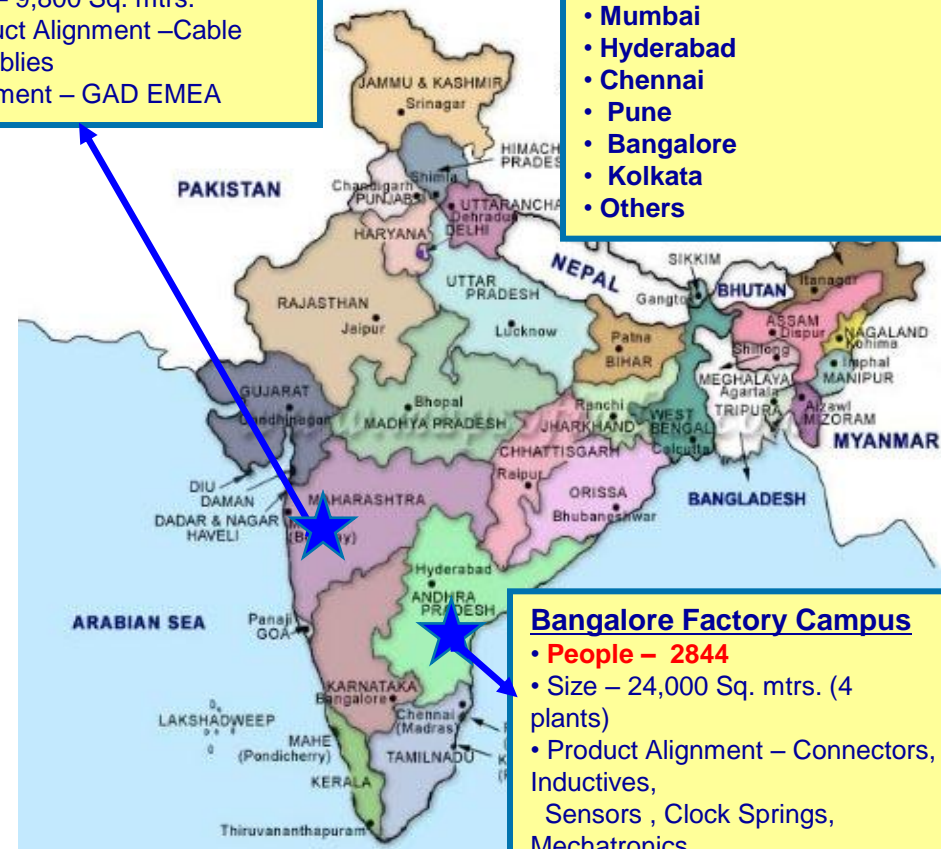
## Pune Factory

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

## Sales Offices

**Total Sales Force -109**

- Delhi
- Mumbai
- Hyderabad
- Chennai
- Pune
- Bangalore
- Kolkata
- Others



## 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

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

# 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



smiths aerospace  
bringing technology to life



THALES



The Tata Power Company Lim  
.....powering growth



भारतीय वायु सेना  
INDIAN AIR FORCE



Hindustan Aeronautics Limited



BAE SYSTEMS



GOODRICH



Honeywell

# 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/  
Harnessing  
(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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