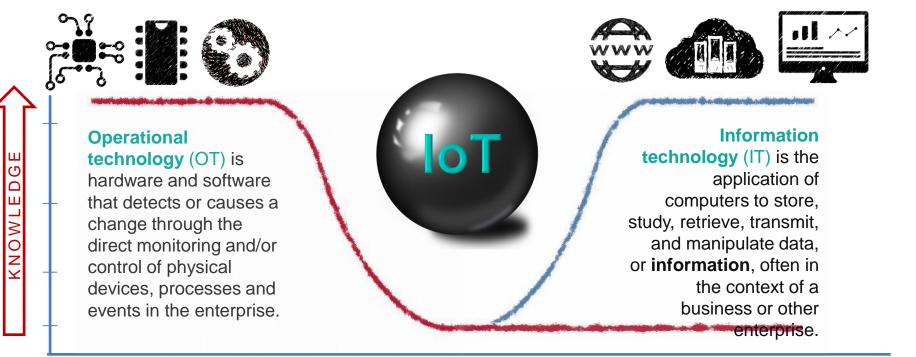
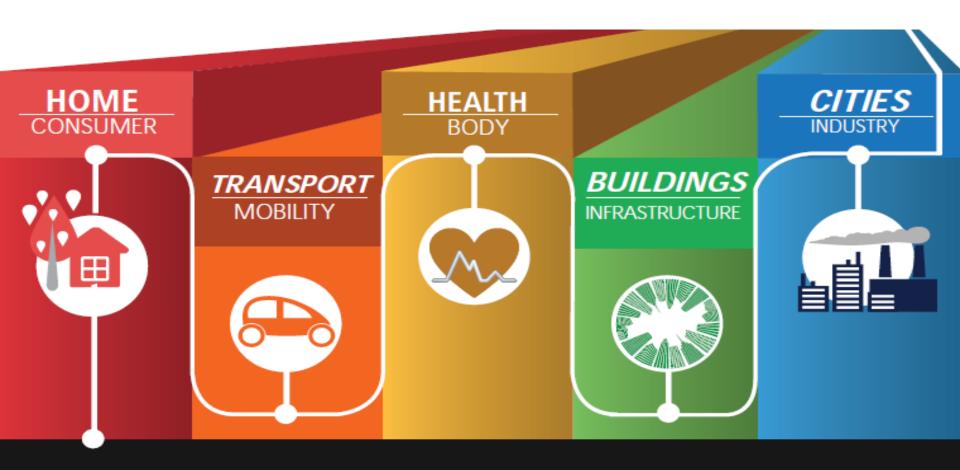


The OT vs IT Knowledge Gap





IoT Opportunities



Light bulbs
Security
Pet Feeding
Irrigation Controller
Smoke Alarm
Refrigerator
Infotainment
Washer / Dryer
Stove
Energy Monitoring

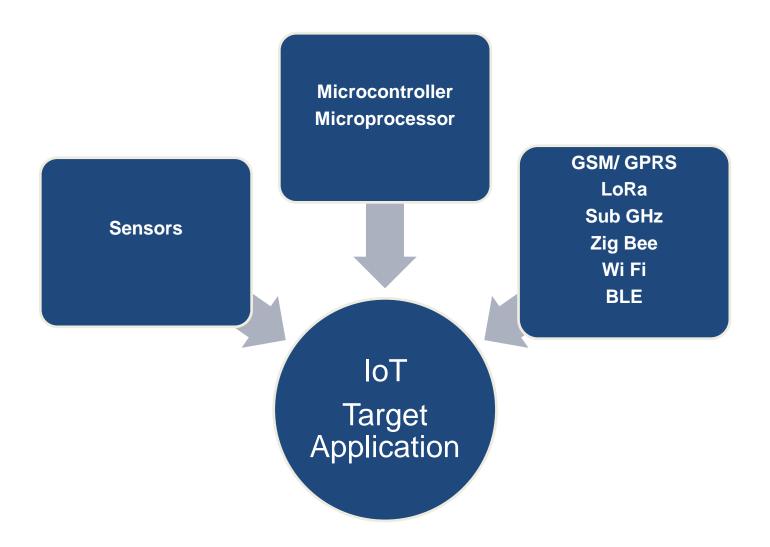
Traffic routing
Telematics
Package Monitoring
Smart Parking
Insurance Adjustments
Supply Chain
Shipping
Public Transport
Airlines
Trains

Patient Care
Elderly Monitoring
Remote Diagnostic
Equipment Monitoring
Hospital Hygiene
Bio Wearables
Food sensors

HVAC
Security
Lighting
Electrical
Transit
Emergency Alerts
Structural Integrity
Occupancy
Energy Credits

Electrical Distribution Maintenance Surveillance Signage Utilities / Smart Grid Emergency Services Waste Management

IOT Applications

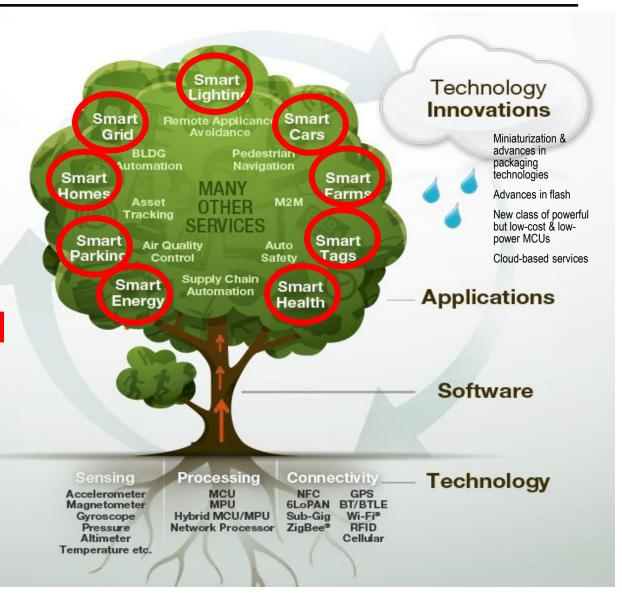


INTERNET of THINGS

Different Services, Different Technologies

Different Meanings for Everyone

And the Word "Smart" is Everywhere





Understanding ESDM "Value-Chain"



PRODUCT IDEA - INNOVATION

- Betting on the right technology and standards, features
- Innovative product design and architecture



R&D, PRODUCT DESIGN (SYSTEM + HW + SW)

- Creation of IPR (Product IPR; Patents)
- System design: Hardware, SW, FPGA/Silicon, Mechanics
- Product design, development, testing/verification



COMPONENTS

- Silicon components
- BarePCBs, Mechanicals, Cable Assemblies
- Passive components, Electro-mechanicals

ASSEMBLY (SMT), TESTING

- "Board stuffing": automated; done by EMS or in-house
- Testing, final assembly and Quality assurance
- Logistics, Packing etc.

30-65%

35-50%

5-20%

NUV

Arrow IoT Lab in Bangalore

- Arrow to offer world class development eco system for IoT product development for start ups in Bangalore who are developing products for IOT.
- This lab is in partnership with Govt. of India.
- Bangalore has > 500 start ups and more than 300 Electronics product companies. Bangalore is hub for Electronics embedded design.
- Arrow to offer product development infrastructure along with engineering support from qualified AEs from Arrow lab.

The lab...



Main hall

- Access granted by STPI
- Reception desk
- Waiting
- Technology and Solutions wall
- Solutions demo and discussions

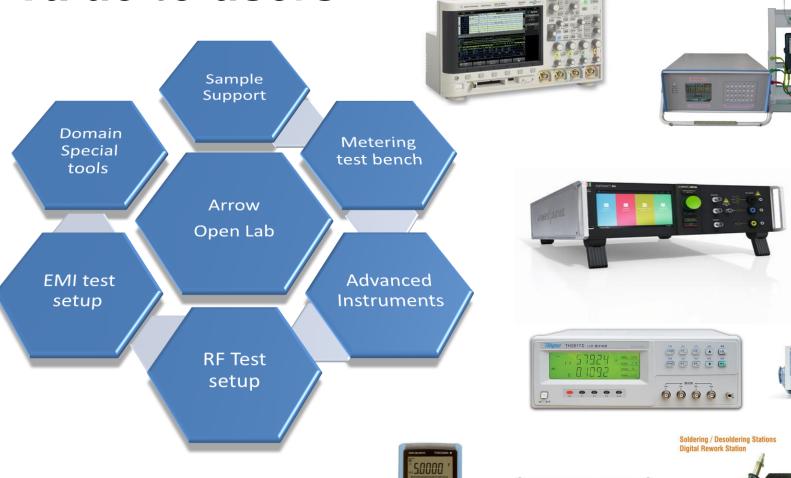
Meeting room

- 6 8 seating capacity
- Projector and Audio/Video conference

The Lab

- Access with escort by Arrow team/Lab Manager
- 12 work benches
- 4 PC work stations
- Storage

Value to users









Target users

- 500+ Start-ups in and around Bangalore
- Small and Medium electronics product companies.
- Innovators
- 200+ TiE & IESA members, and others
- Technology partners & Clusters
- Educational partners RV COE & PESIT



loT Open lab in Bangalore

by



Software Technology Parks of India

Ministry of Electronics & Information Technology Government of India





Arrow at a Glance



Founded: 1935

Ticker Symbol: ARW (New York Stock Exchange)

Web Site: www.arrow.com

2018 Sales: \$29.7 billion

Employees: 20,000

Locations: Global network of more than 460 locations in 56 countries and territories

Corporate Headquarters: Centennial, Colorado

Customers: 100,000

Fortune 500 Rank: # 113



Lets create a ecosystem for budding Product companies in India

Thank You

