



# Advanced Connection Technology Inc.

# *ACTT*

**Create**



**Execute**



**Serve**



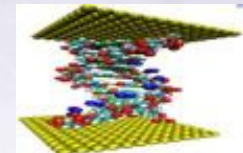
**Live**



**Enjoy**



**Profession**



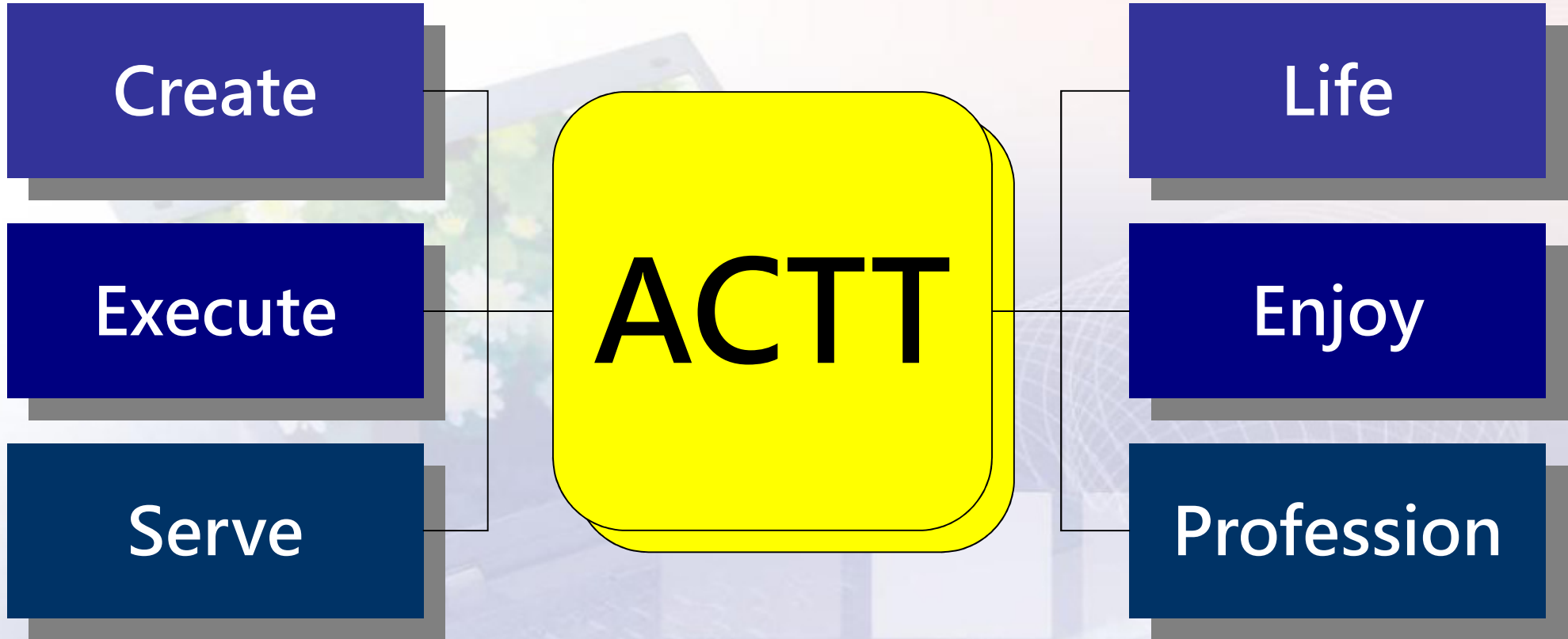


# About ACTT

ACTT was founded in 1994 with headquarter in Danshui, Taiwan and are dedicated to design and manufacturing experience in connectors and cable assembly. ACTT has extensive experience in the field of automotive, consumer electronics, medical and aerospace. Our product application include USB, HDMI, LVDS, USCAR, MODULE, PCBA, ANTENNA, WIRELESS, POWER CHARGER and WATERPROOF The group's production sites are located in China and Vietnam which are cetificated by TS16949 and ISO 13485 and able to do diverse experiment by our professional laboratory. The purpose of ACTT is shortening the TTM and lowering the expected cost of clients, offering relible design and outstanding quality and makeing clients get the maximum profit by our OEM and ODM services.



# Management Idea

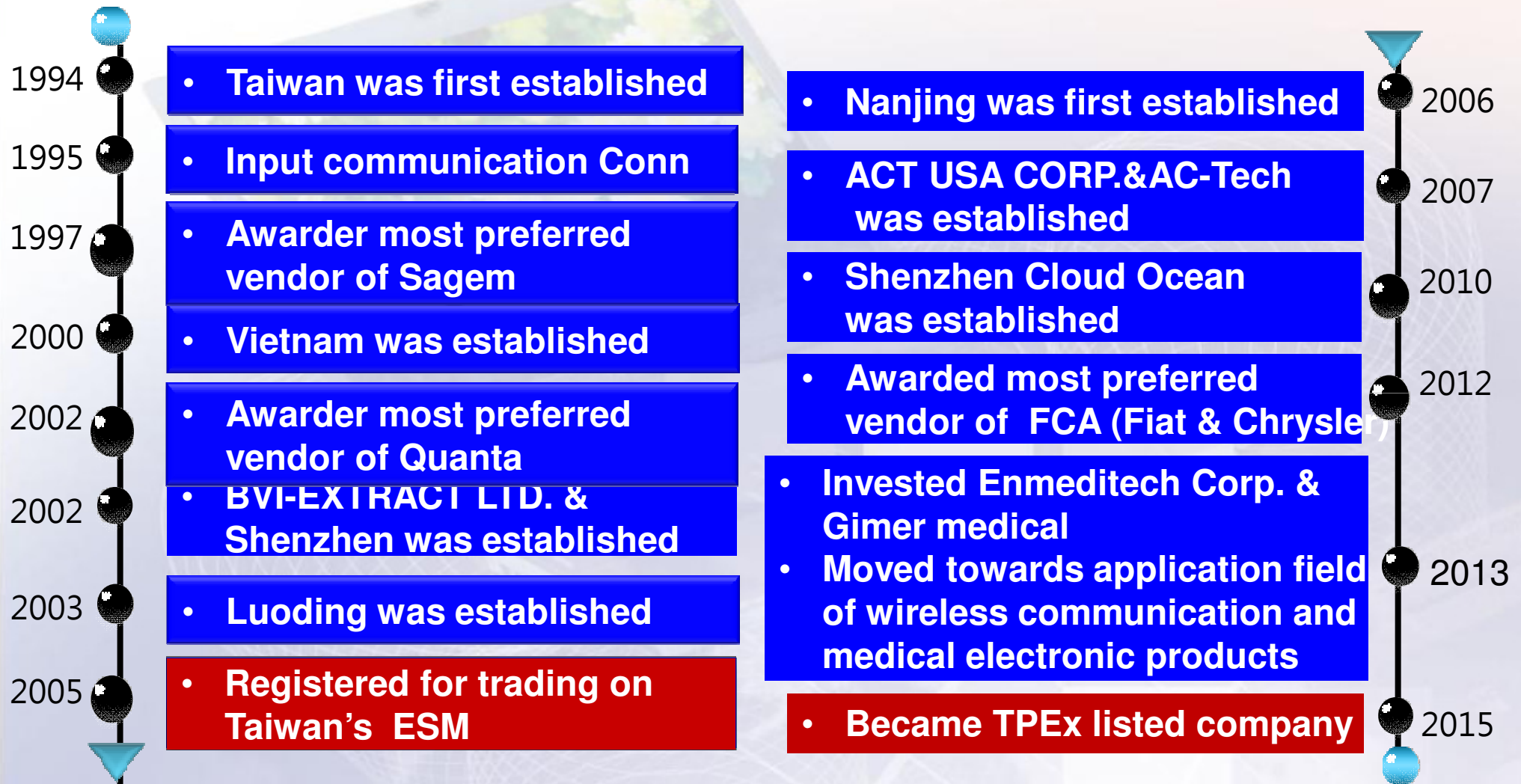




# History

Capital : USD 11 millions

Quality Assurance : ISO9001 、 ISO14001 、 ISO/TS16949 、 ISO13485





**Luodin, China**



**Taipei, Taiwan**

**San Diego, CA**

**Bangalore  
India**



**HCM, Vietnam**



**HCM, Vietnam**



**Shenzhen, China**



# Manpower

**Total Work Force: 1,000**

## **R & D**

**Design Engineers: 52**

**Process Engineers: 17**

**Tooling Engineers: 31**



# Customer Inventec



Quanta Computer

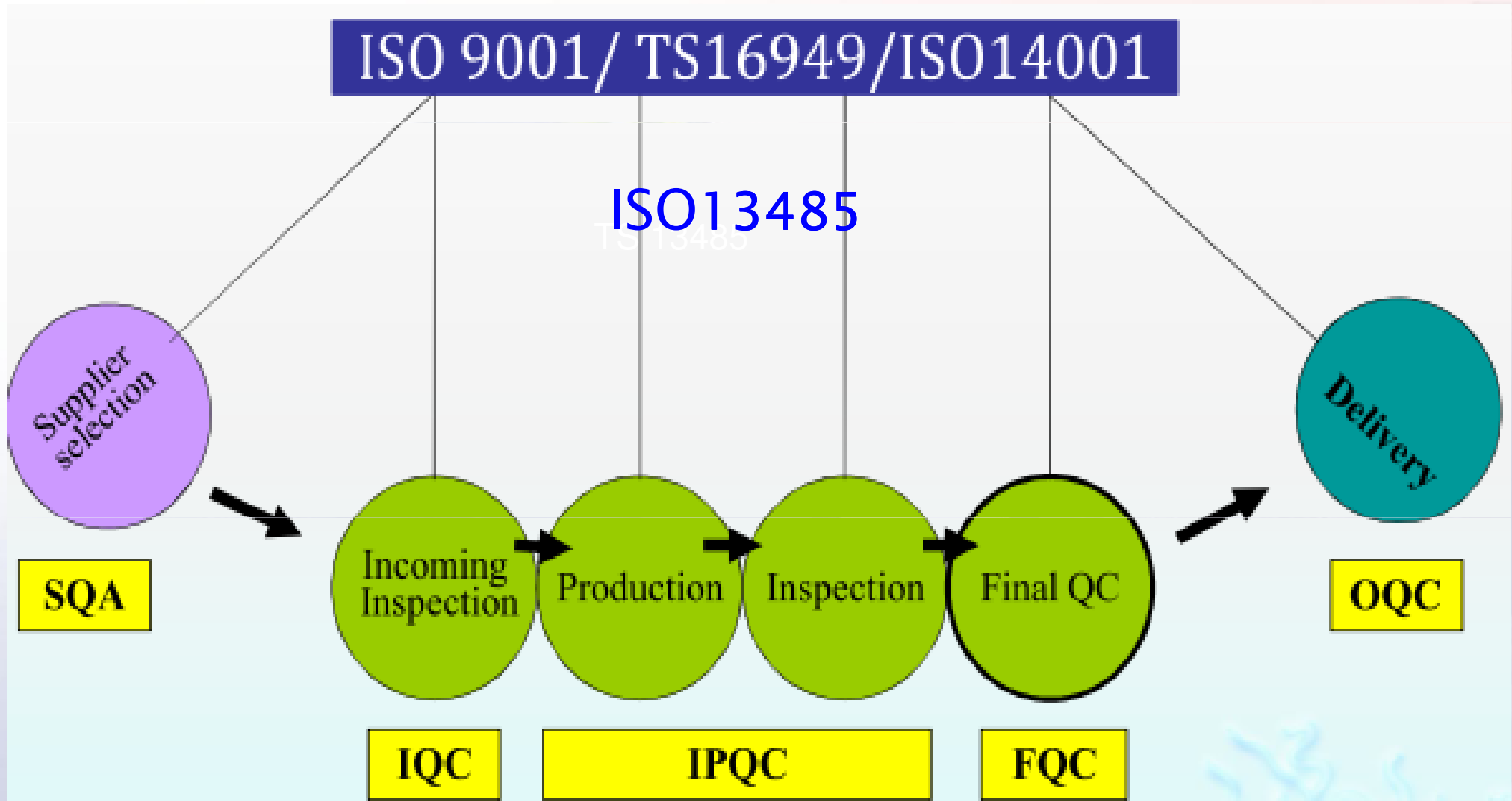


Parrot





# Quality system







# Quality Assurance

## **Pb-Free Production & RoHs ISO Certification**

**ISO 9001: 2008**

**ISO14001:2004**

**TS 16949:2009**

**TS 13485:2003**

**Same class CNAS( 17025) LAB**



# Lab. Equipment



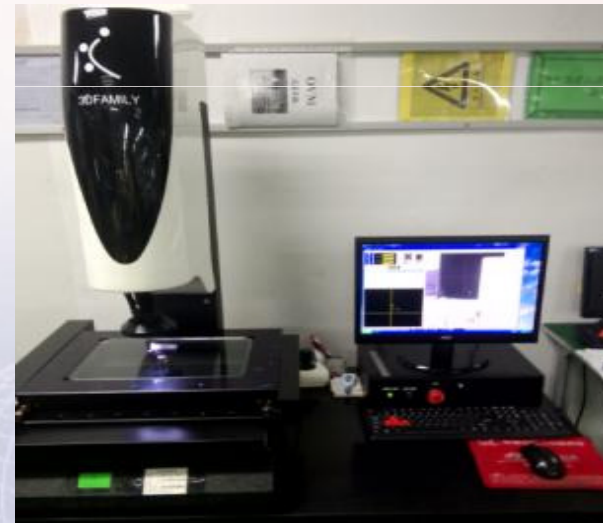


# Lab. Equipment

**Network Analyzer**



**Microscope**



**XRF**



**Moving Test**





## Vibration Test



## Mechaicla Shock



## High Temperature Oven

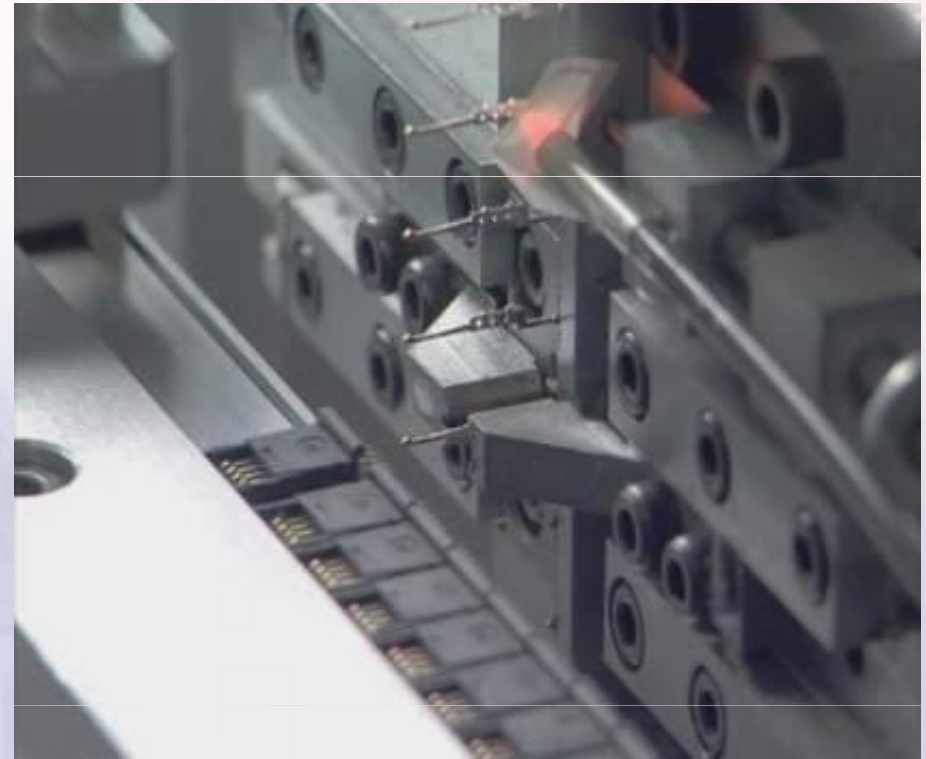


## Electroplating analysis





# Production





# Production



Automatic cut Machine



Automatic soak tin Machine





# Manufacturing Capacity

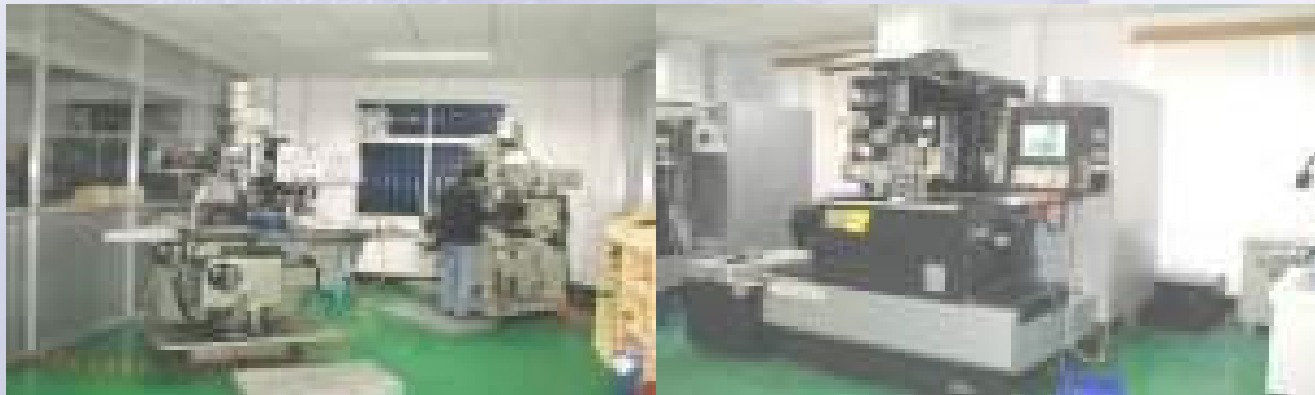
## China:

**Tool : 38 sets/month**

**Conn.: 10,000,000  
pcs/month**

**Cable: 7,000,000  
pcs/month**

**PCBA Moudle:1,000,000  
pcs/month**

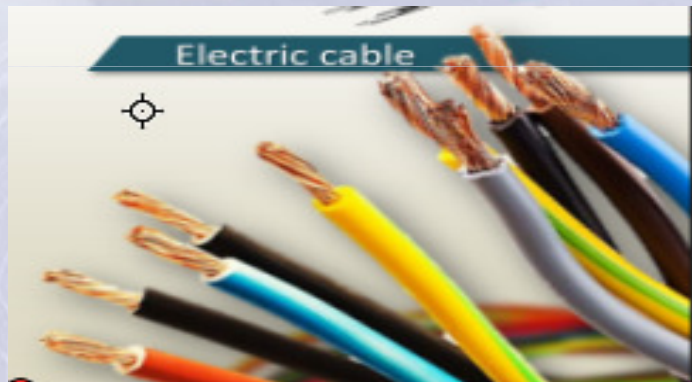




## Vietnam:

**Power Cord.: 1~2million  
pcs/month**

**Wire Harness: 2million  
pcs/month**







# Clean Room

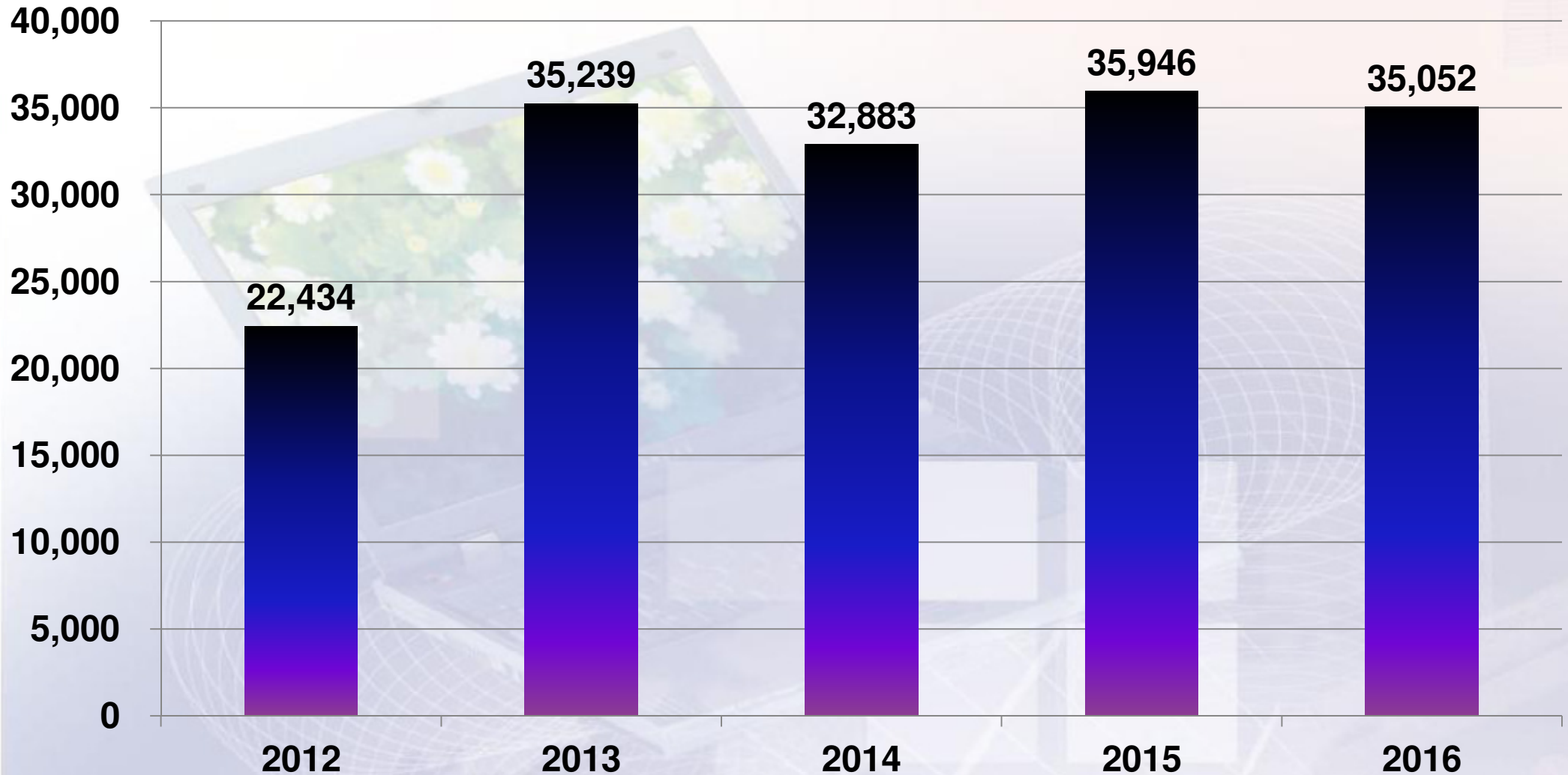
(class 6 according ISO 14644-1)





# ACTT Revenue

Revenue



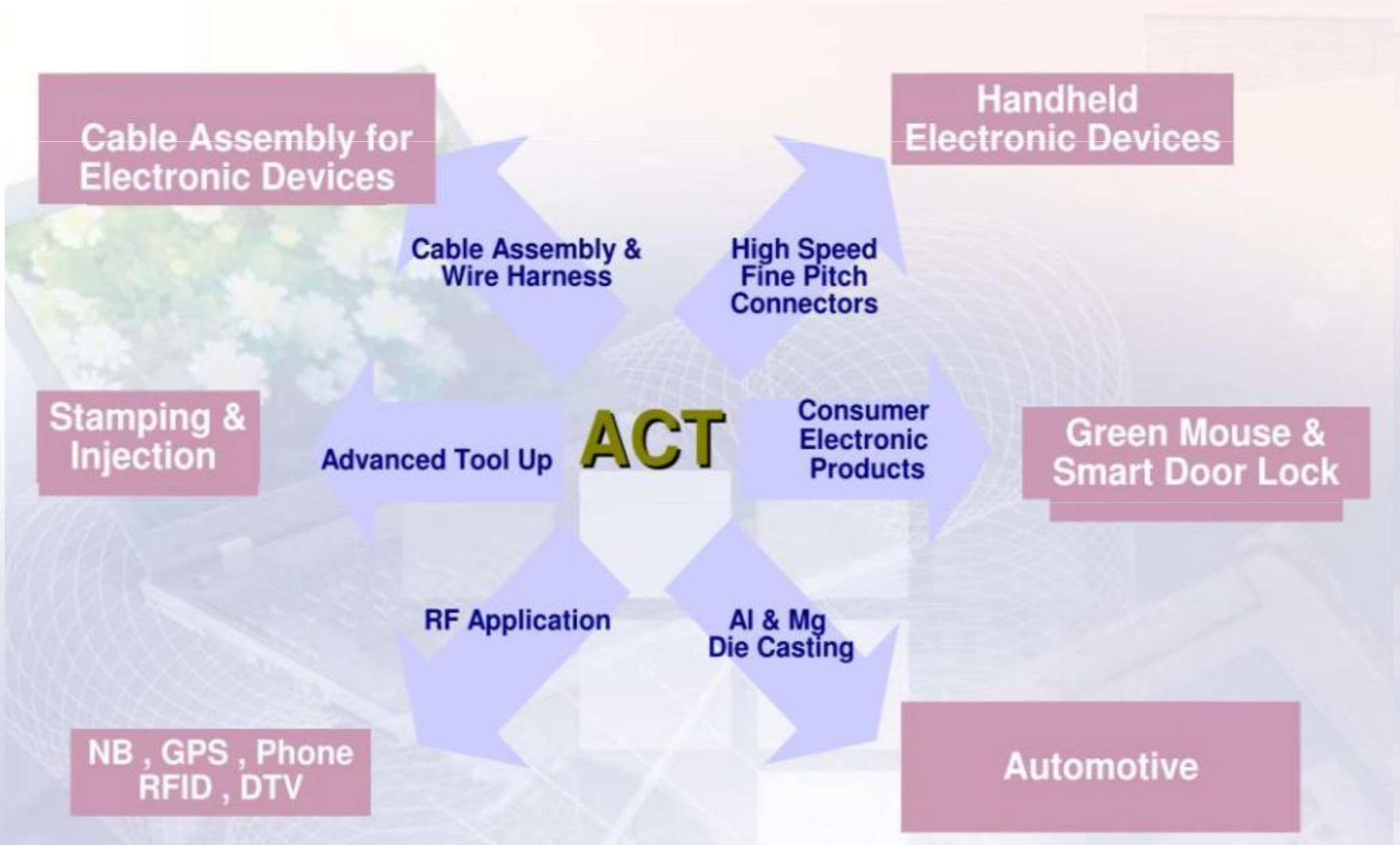
Currency :USD ( thousand)

The background of the slide features a light blue and white color scheme. It includes a faint image of a laptop in the upper left, a wireframe globe in the lower left, and a grid pattern of squares in the lower right. The text is centered in a blue rounded rectangle.

# **Direction of Development ACTT Product Fields**



# Technology & Application

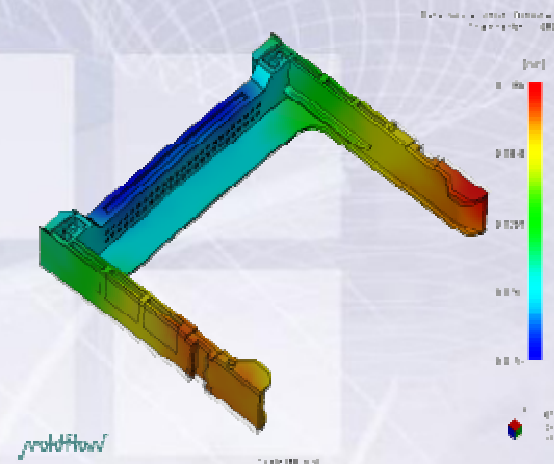
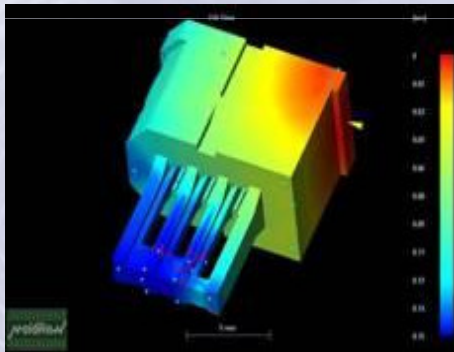




# Core Competence

## Strong R&D Capability

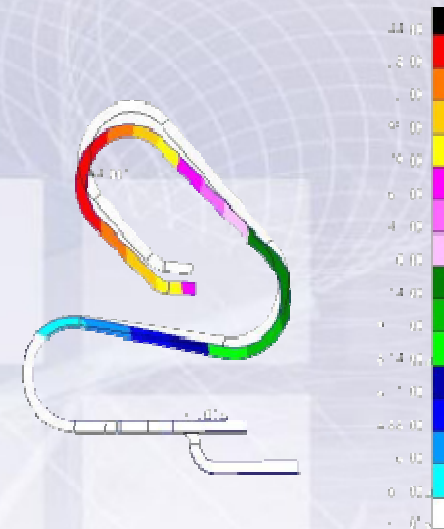
- Professional R&D Team
- Professional Design Software: AutoCad, Solidworks and Pro-E
- Advanced Software For Simulation: Moldflow, MSC, AFEA
- Strategic Alliance With Major 1<sup>st</sup> Tier RD Automotive System Integrators





# Professional Design In House

**Tooling Design & Manufacturing Capability**  
**Customized Products Capability (OEM/ODM)**  
**Design Capability For Automation Equipment**





# Professional Manufacturing

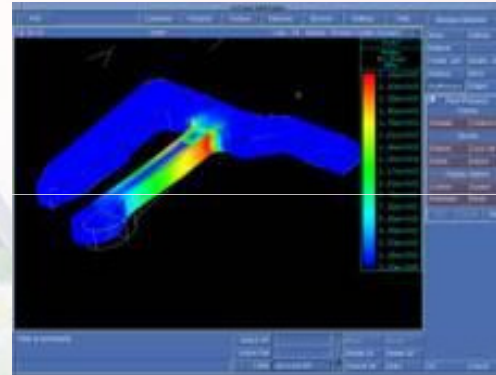
- High Precision Process Machines
- Long term investment commitments On RD, Packaging Technology & Capacity Scale.
- In-Line Production Capability Monitor & Quality Control
- Implement 6 Sigma For Continuous Improvement
- Automation Assembly & Automatic Testing
- Cost Leadership On Material, Process, & Quality





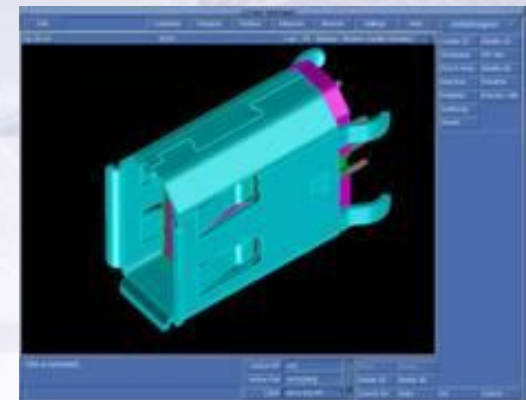
# Core Competence

## Tooling Center



**Budgeted Investment On Tooling Center & Material Study To Build Up Vertical Integration Platform To Reduce Tooling Lead Time & TCO**

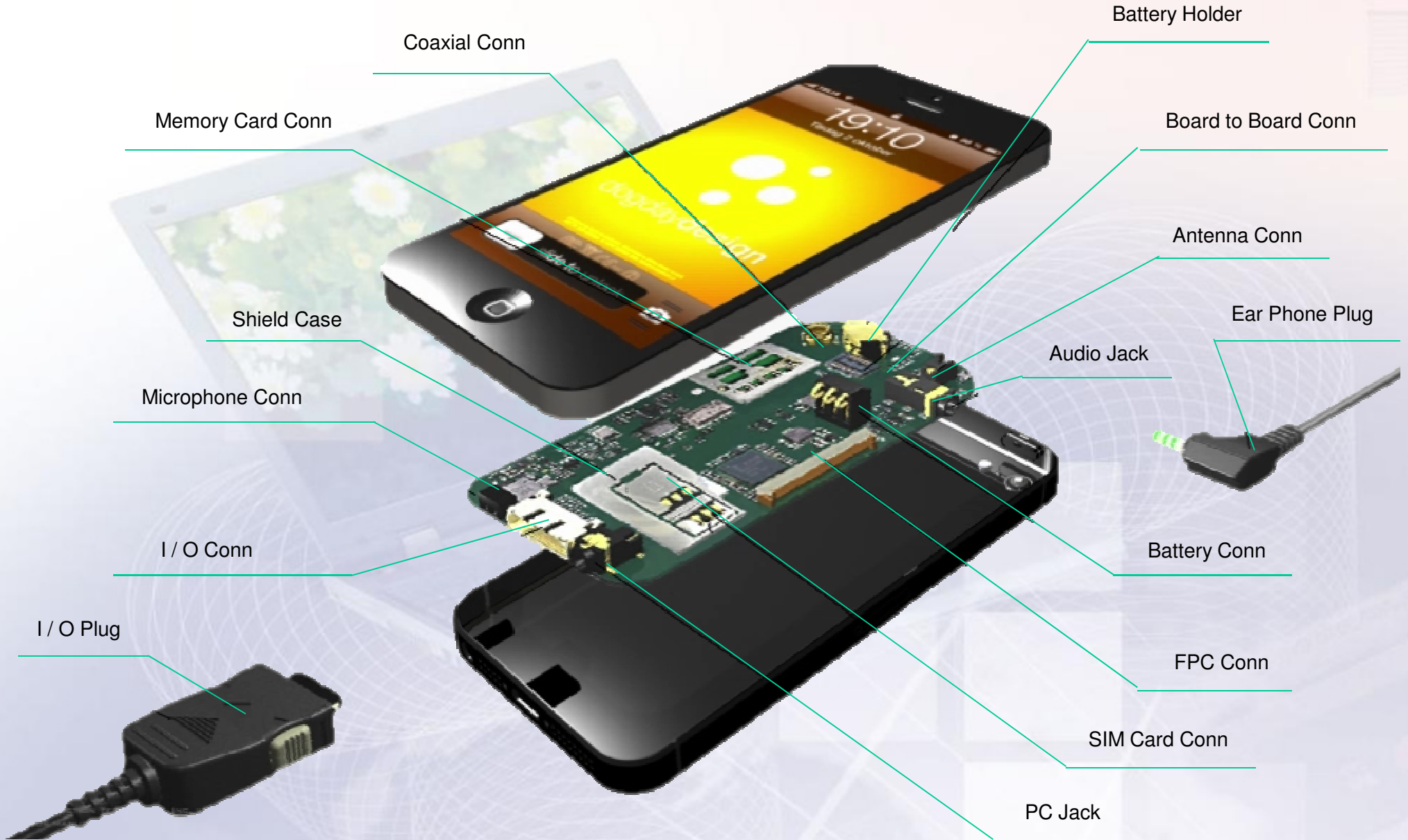
- **Capable Tooling Design & Manufacturing On New Product Transition(NPI)**
- **Co-develop New Technology With Top University & Outside Laboratory**







# Products For Mobile Phone





# Products For Notebook



WWAN/WLAN Combo Antenna



DTV Antenna



D-Sub



Discrete wire



HDMI



DisplayPort



FFC Solution



Micro Coaxial



Audio Jack



RJ 45



1394



Memory Card



SIM Card



Blend Solution



USB 2.0



USB 3.0



type C



Battery



DDR3



SATA



Mini PCIe



# Solution Cluster-Automotive

## Navigation

**OBDII Cable**



**Entertainment**



**Telematics modules**



**Communications**



# Medical Solution





# Products For Antenna

## RFID reader antennas



200 x 200 mm<sup>2</sup>



95 x 95 mm<sup>2</sup>



60 x 60 mm<sup>2</sup>



210 x 297 mm<sup>2</sup>



50 x 50 mm<sup>2</sup>

Reference specifications for RFID antennas

SPEC	Circular polarization LHF antenna			RF antenna @ 13.56 MHz	
	200*200 mm <sup>2</sup>	95*95 mm <sup>2</sup>	60*60 mm <sup>2</sup>	210*297 mm <sup>2</sup>	50*50 mm <sup>2</sup>
Size	200*200 mm <sup>2</sup>	95*95 mm <sup>2</sup>	60*60 mm <sup>2</sup>	210*297 mm <sup>2</sup>	50*50 mm <sup>2</sup>
BW (MHz)	800-1050	762-1175	910-960	2	2
Gain	6.2 dBi	-2 dBi	2 dBi	---	---
Range	9-18 m @ 1W	2-3 m @ 1W	2-3 m @ 1W	> 20 cm	> 2 cm
Weight	390 g	85 g	5g		

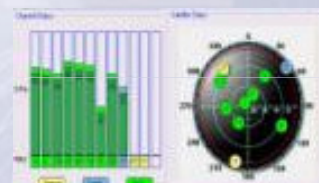
## DTV antenna solutions



Type	Planar dipole antenna
Bandwidth	470 - 862 MHz ( Global band )
Size	206 mm x 23 mm x 0.4 mm
Gain	1.9 - 2.95 dBi
VSWR	2.5 ( max )
Pattern	Omn-directional
Impedance	50 Ω

## GPS antennas solutions

CP SMD antennas



GPS Printed antennas

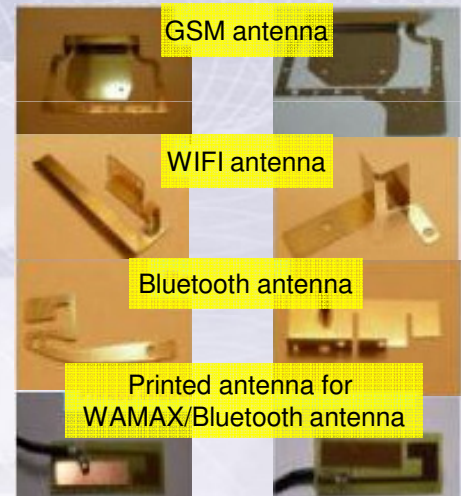


Multi-choice of LNA for active antenna upon request



Central Frequency	1.575 GHz
Bandwidth@ 10 dB	10 MHz (typical)
Gain	1 dBi Max
Polarization	RHCP
Axis Ratio	3dB
Impedance	50Ω
Operating Temperature	-25~+85 °C

## Ready-for-use in ACT



GSM antenna

WIFI antenna

Bluetooth antenna

Printed antenna for WAMAX/Bluetooth antenna



# Delivery's Automotive Products

## 一. Module

AUX/USB/SD /TYPE C Series

## 二. Cable Ass'y

HDMI E Type Cable Ass'y

USCAR Cable Ass'y

Camera Ivds cable

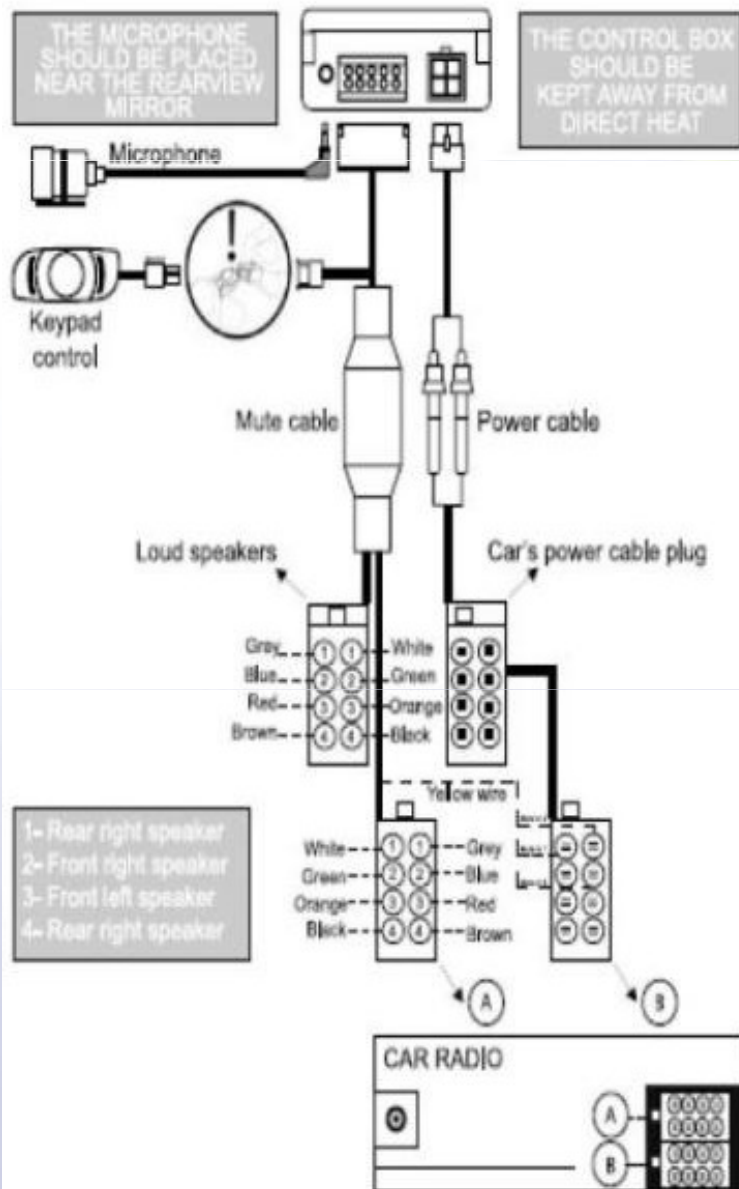


# ACTT USB Aux





## Cable diagram connection



## Cables of Automotive







# USB\_Aux Utilized In Automotive



## USB Std 'A' to 'mini B'/USCAR-30

### ■ Separable Interface

- Allows other packaging options.





# ACTT Global Patents





# Patents

Ranked among top 100 Taiwan corporations on patent application.

Ranked among top 100 Taiwan corporations on patent certificate issuance  
for three consecutive years.

「The 100th Industrial Innovation Achievement Award」

The category of "Technique&Know-How Innovation"



「2011 Taipei International Invention Show & Technomart」

Won the gold and bronze medals



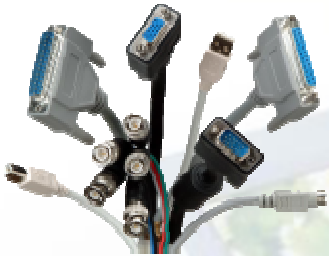


# Future Develop Plans

Products

Market

Future Plans



Connectors



Cables



Modules

Communication

Automotive

Medical

1. Approach markets to satisfy the needs of customers.

2. Continue to expand markets and operational scales.

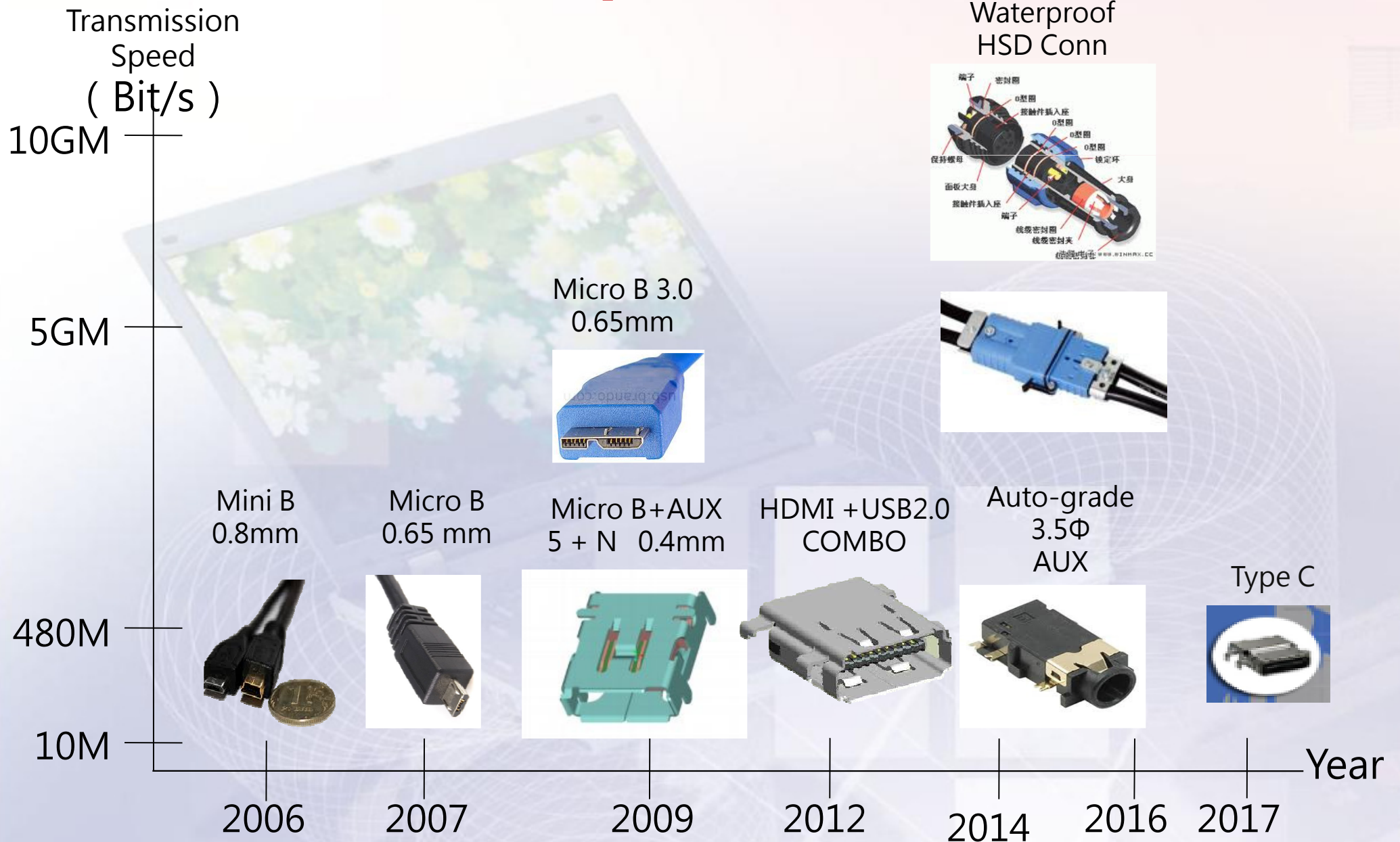
3. Reinforce **vertical integration** of resources and establish information collection.

4. Operate plural quality systems and control product quality.

5. Grasp **critical techniques** and design future products.

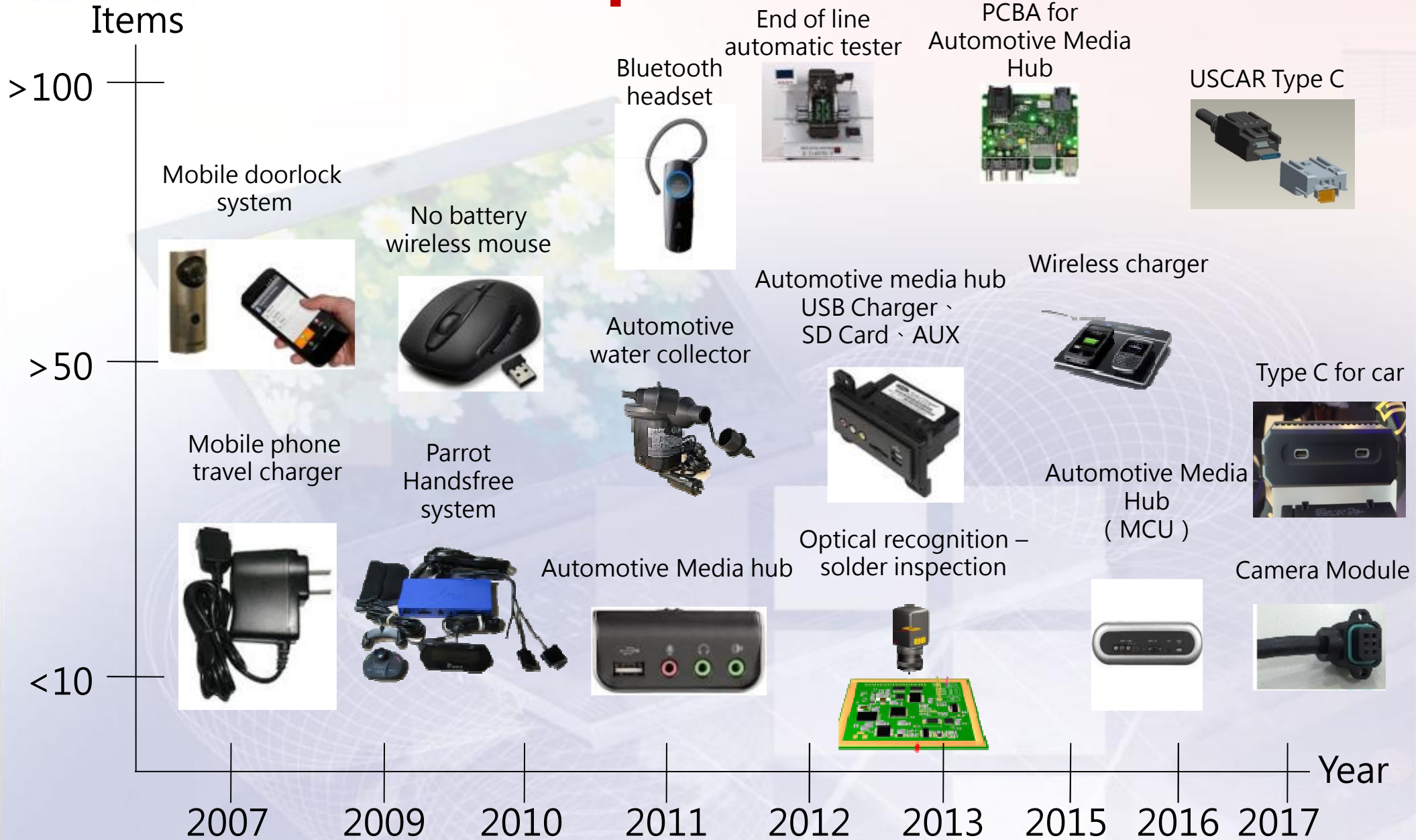


# Road Map – Connector





# Road Map – Automotive





**Thanks!**