



# ACTIVE SALES ASSOCIATES, INC.

## Presentation

Head Office  
7411 114<sup>th</sup> Ave., Suite 606  
Largo, Florida 33773

**OWNERS OF CENTURY PC  
BOARD COMPANY LTD**

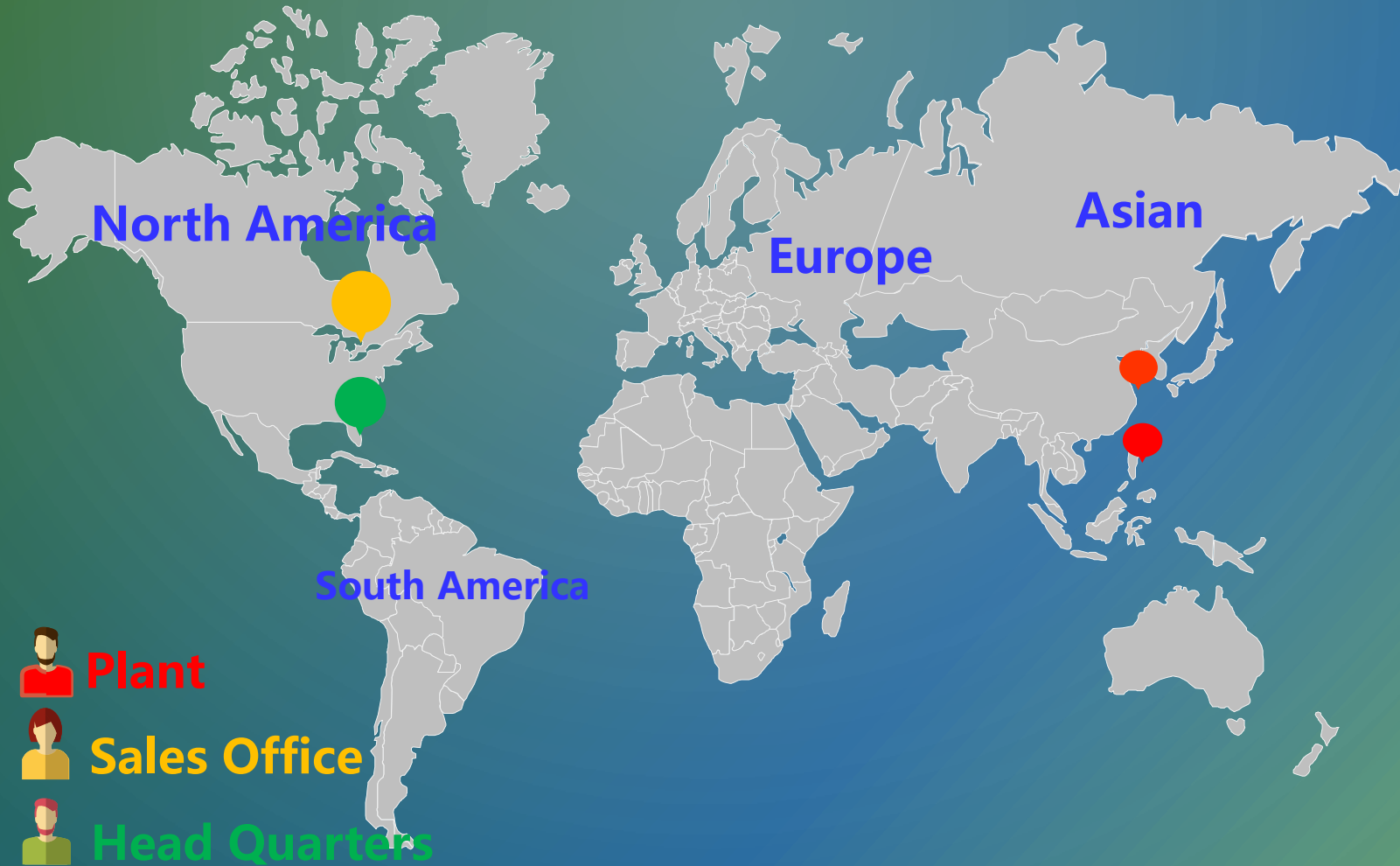
**FACTORIES IN  
CHINA AND TAIWAN**

TORONTO OFFICE  
252 QUEEN ST. W,  
BRAMPTON, ON L6X 1B1  
(905) 459 7815

# SNAPSHOT OF ACTIVE/CENTURY

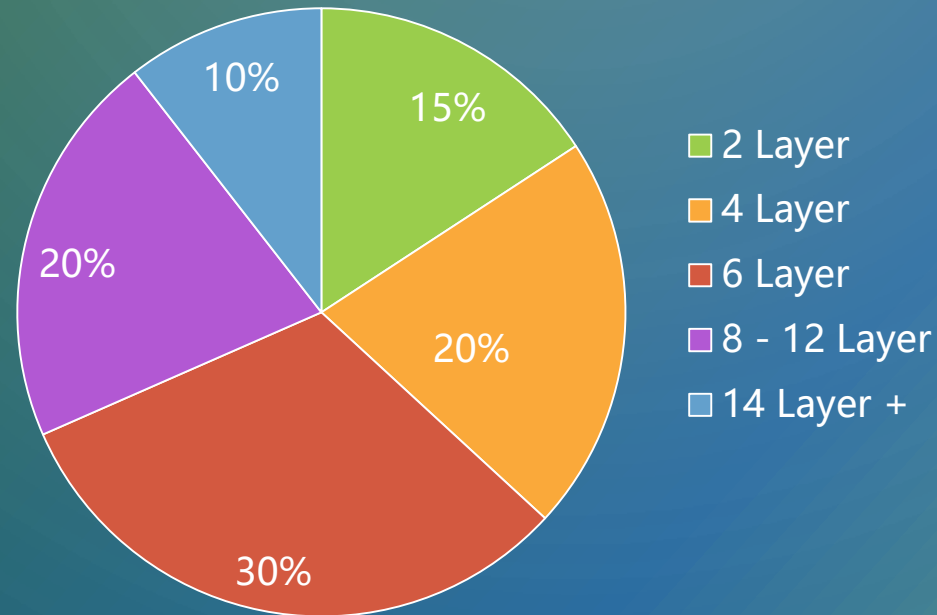
- Active Sales was founded in Largo, Florida by Alex Wu in 1981
- First factory was purchased in mid 1980's - China 100K sq ft – Located in Kunshan near Shanghai
- Second factory bought in 1992 – Taiwan 65K sq ft – Located by Taipei International Airport
- China factory closed in 2007 to be rebuilt on a new site
- China factory rebuild completed in 2016
- In the last 10 years, Active Sales has experienced 6 times growth in business.

# Worldwide Locations

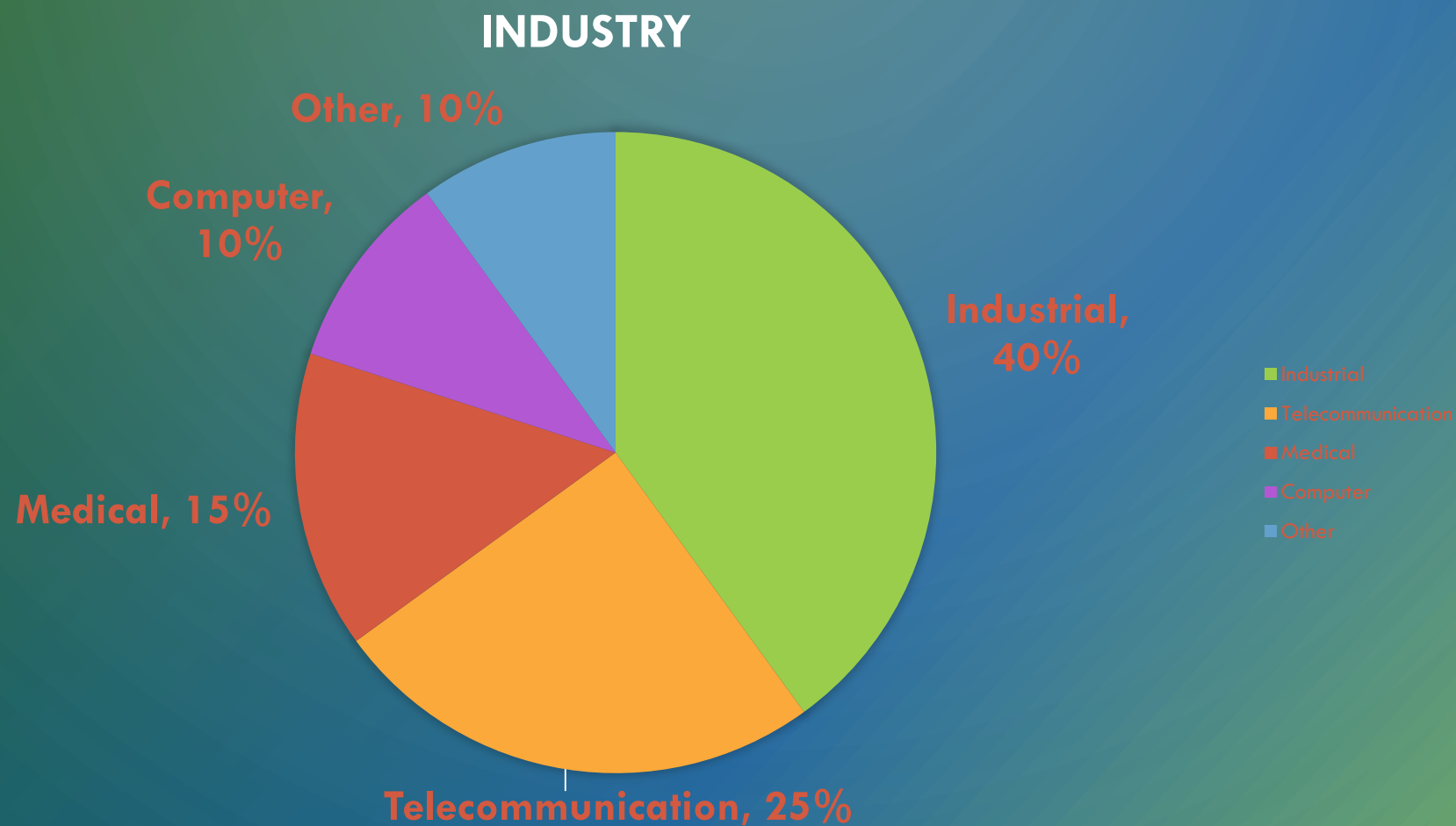


# ANNUAL SALES TECHNOLOGY BREAKDOWN

2018 PCB Annual Sales by Layer



# CURRENT CUSTOMER MARKET SHARE



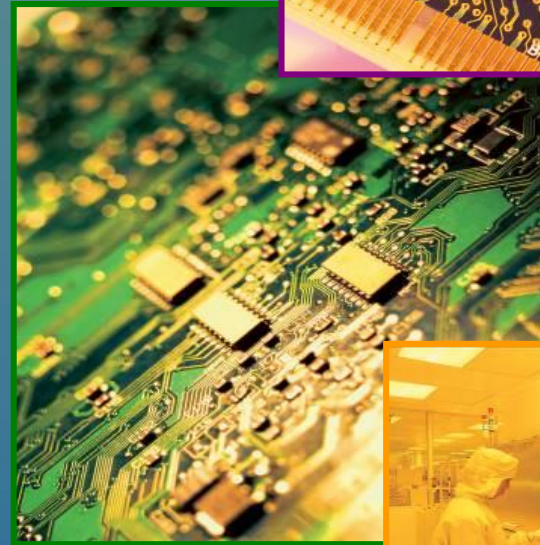
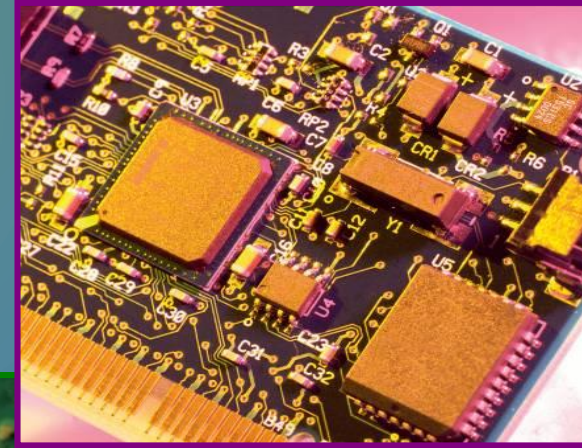
# VALUE ADDED SERVICES

- Quoting done in North America
- Engineering & Quality Support in North America
- Prototype and Production
- Time Critical Production
- Standard Production Lead Time 3 weeks
- 5 - 10 day Prototypes (layer count dependent)
- 2 Manufacturing Plants (Taiwan/China)
- Test Reports, Micro-section and solder sample with all shipments
- First Article Reports on new part numbers and subsequent lots



# QUALITY STATEMENT

- By providing excellent quality products & services at competitive cost, we strive to satisfy customers' current & future needs through continuous improvement in all business processes





# CERTIFICATIONS

- IPC 6012 – Class 2 and Class 3
- UL94 – E189010
- ISO 9001:2008
- TS16949 - Automotive
- AS9100
- ISO 13485

All certifications available on request





# TECHNICAL CAPABILITIES

2 Layer – 36 Layer



0.012” - 0.200” thick



Controlled Impedance + / - 5%



0.003”/0.003” line and space, min core thickness down to .002”



0.006” FHS min mechanical drill, 0.004” laser micro via, aspect ratio 10 : 1



Buried and Blind Via



0.35mm BGA pitch



Up to 5 ounce copper with UL



HASL, LF HASL, ENIG, Imm Ag, Imm Sn, OSP, ENEPIG



Hard gold for edge and deep gold for contacts



Mask fill, Epoxy vacuum fill and via in pad – non conductive fill only



Materials include FR4, ROHS TG130 – 200, Halogen Free, Rogers, Arlon

# UL APPROVED MATERIALS

- ITEQ – IT158, IT180, IT180A, IT180C
- Isola – 370HR, FR408, FR408HR
- TUC – TU662, 668, 872
- Nanya – NP140-TL, FR4-86, NP175, NP180-TL
- Rogers – R4003, R4350, RR3000
- Arlon – 91ML, 92ML, Aluminum and Copper backed heatsink
- Ventec – VT-481, VT-47, VT-42 (Black Material)

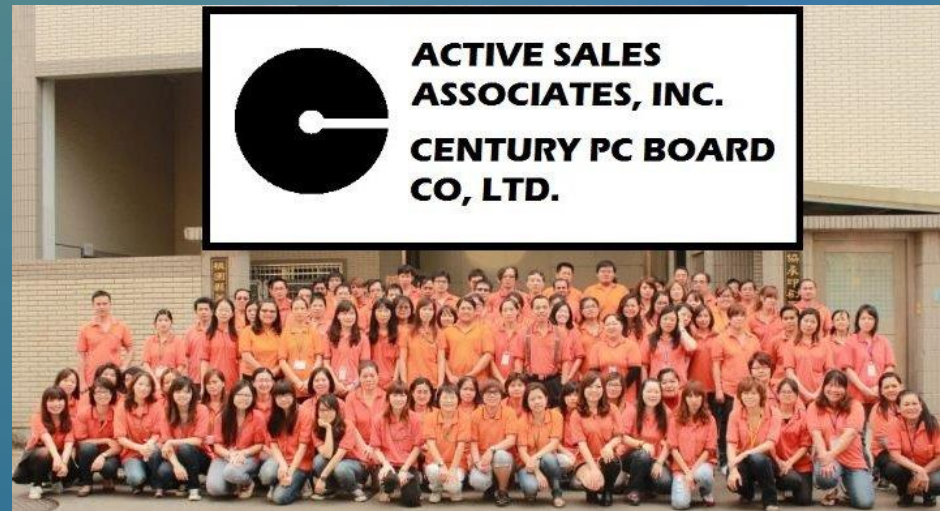
# ENVIRONMENTAL POLICY

- **We are dedicated to protect the global environment and conduct green manufacturing**



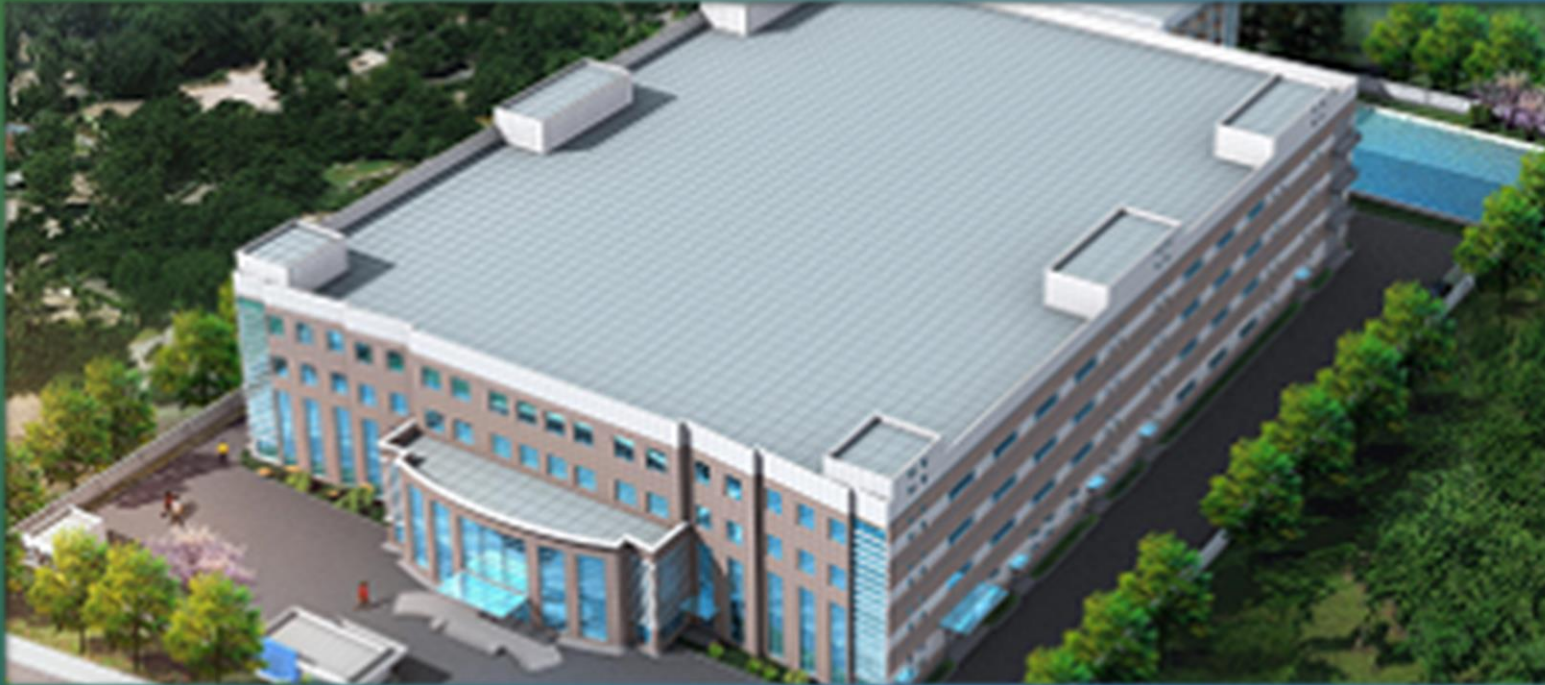
# CENTURY PC BOARD CO. LTD

- Taiwan employees
- 3 Shifts
- 400 Employees





# CHINA FACILITY



- **Address:** NO.11., Kaigui RD., Kunshan, Jiangsu, China
- **Building Area:** 44,000 square meters
- **Employees:** 380(1<sup>st</sup> stage), 600 (2<sup>nd</sup> stage)
- **Certification:** ISO9001, ISO14001, TS16949, UL, CQC



THANK YOU!

