



TOPKEY
Excellence in Composites

Stock Code - 4536

- **About TOPKEY**
- Core Competence
- TOPKEY Business group
- New Business
- Industry Investment Plan
- CSR

TOPKEY CORPORATION

Chairman : Walter Shen

Vice Chairman : Tony Chu

President : Beryl Shen

Staff : 306 (Topkey Group 6,173 people)

Established on : 1980/07/11 <40 years>

Capital : NT\$ 908.2 Million

Address : 18.20th Road, Industrial Park

Taichung, Taiwan, R.O.C.40850

TOPKEY Group

TOPKEY CORPORATION

TAIWAN, ROC

1980



KEENTECH COMPOSITE TECH. CO.,LTD
XING LIN PLANT

XIAMEN, CHINA

1988



Composite Solutions Corporation

SEATTLE, USA

1995



YEU CHUAN COMPOSITE
TECHNOLOGY CO.,LTD

XIAMEN, CHINA

1999



XIN HONG ZHOU PRECISION
TECHNOLOGY CO.,LTD

XIAMEN, CHINA

2000



VALVER COLOR STICKER CO.,LTD

XIAMEN, CHINA

2004



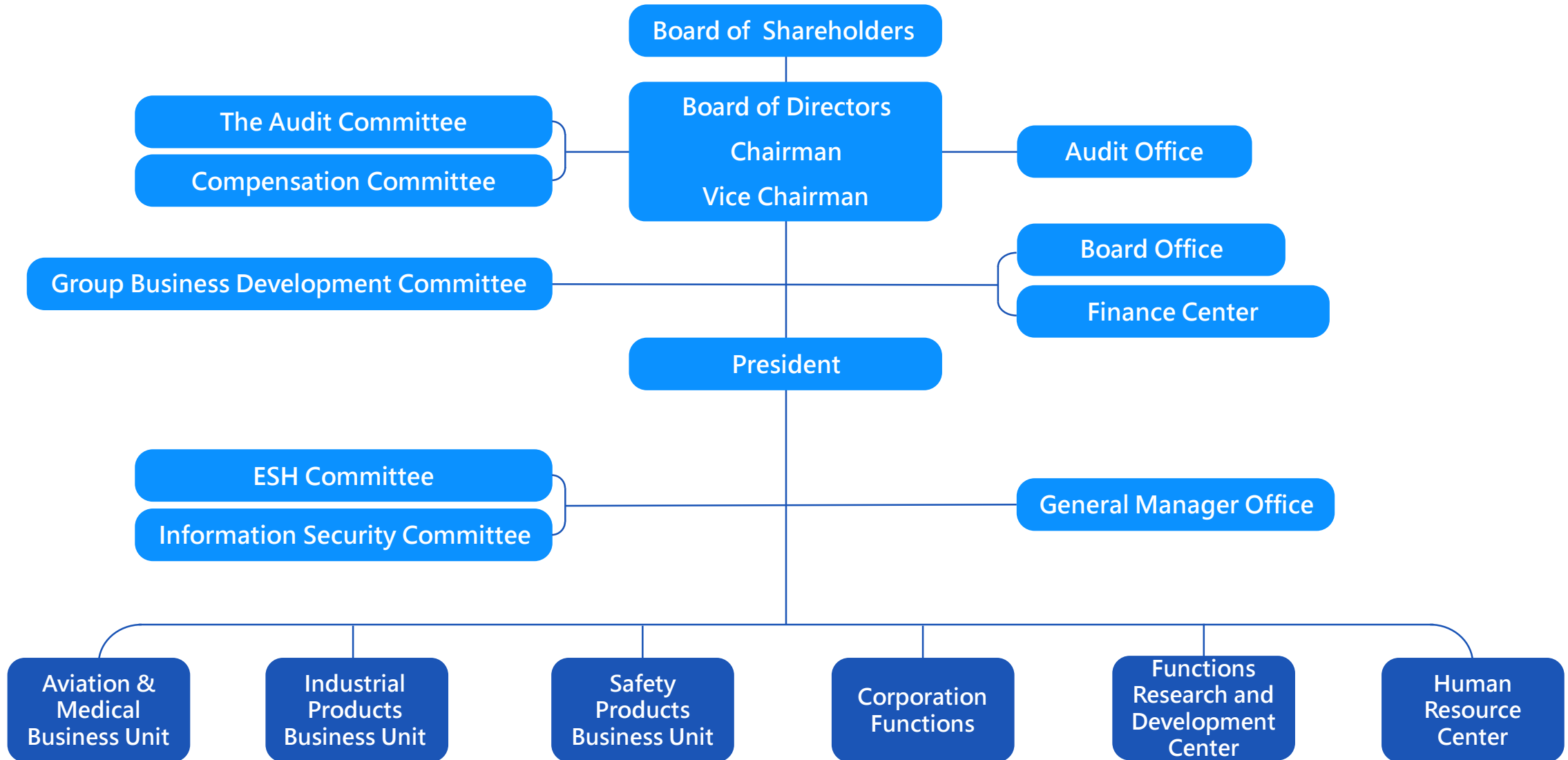
KEENTECH COMPOSITE TECH. CO.,LTD
HOU XI PLANT

XIAMEN, CHINA

2007

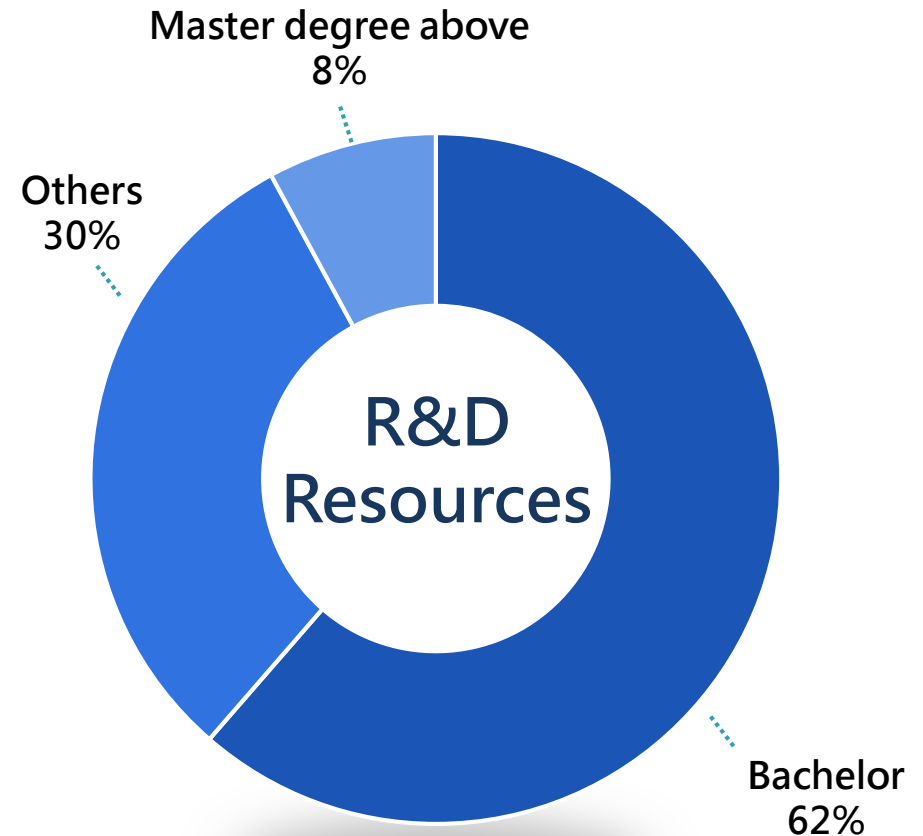


TOPKEY Organization Chart



TOPKEY Manpower Analysis

Unit	Business	Headcount	R&D Personnel	
			Research Manpower	Develop Manpower
TK	Composite	306	21	31
KT	Aviation, Medical Sporting goods	4,646	27	288
YC	Safety	657	37	43
XPT	Tool, VCM	367	17	3
YF	Water transfer Printing	97	2	0
CSC	Aviation	100	0	9
TOTAL		6,173	104	374
			1.7%	6.1%



Total 6,173 headcount with R&D personnel at 7.7%

TOPKEY Composite Material Development

2019

Comprehensively emphasize in environmental protection material development and aviation material certification



2001

Production of Carbon fiber aircraft interior and medical relatives



1995

M&A Composite Solutions Corporation in Seattle , USA



1991

Production of carbon fiber Bicycle frame and Helmet



1980

Production of carbon fiber Racket



Diversification of Products and Industries

CFRP (Carbon-Fiber Rein-enforce Polymer) as the core material,
Six industries in terms of scale and technology are leader of the industry.



**GLOBAL
LEADER**

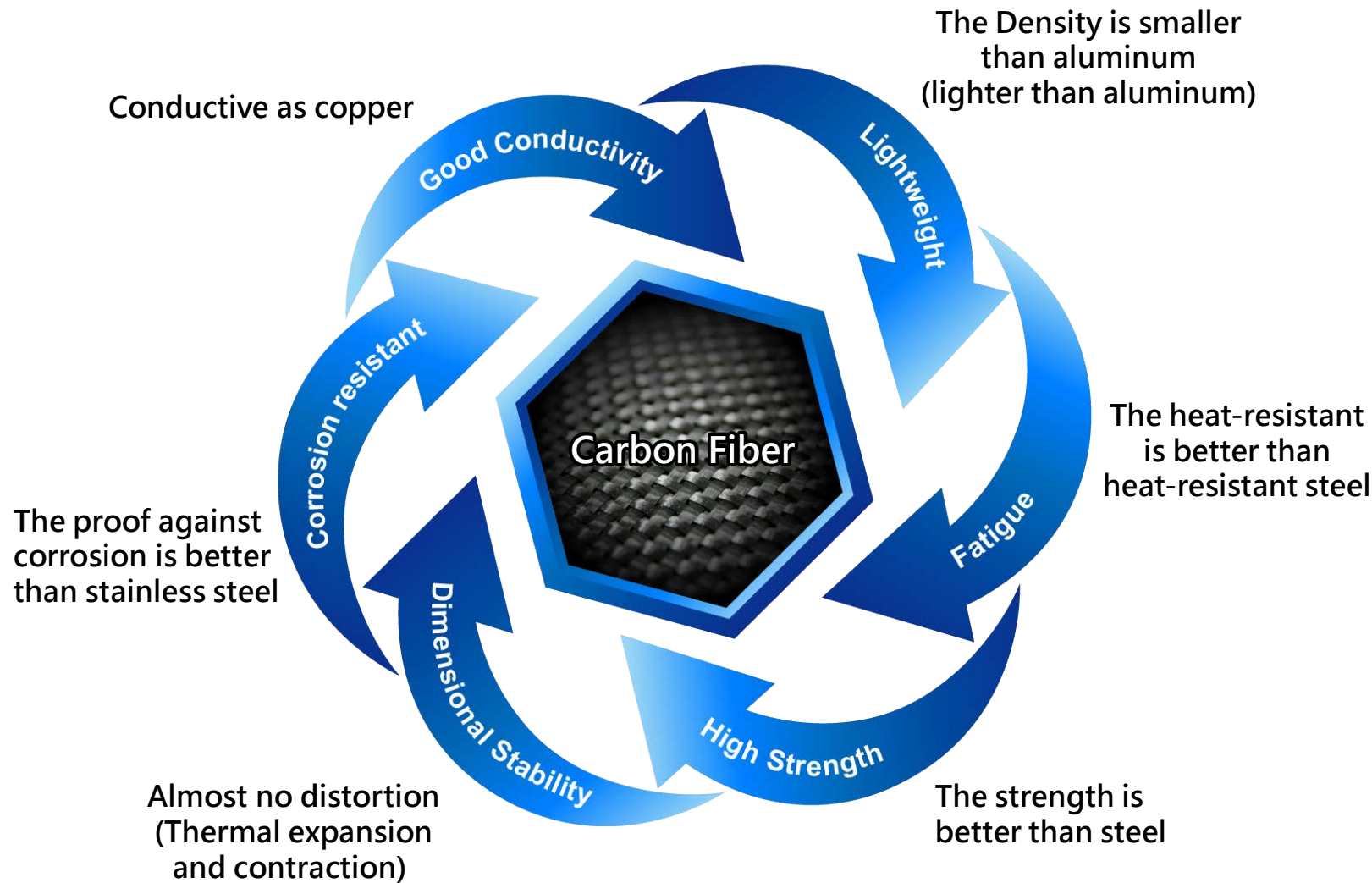


MOEA 5th National Industrial Innovation Award



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The Characteristics of Carbon Fiber



Superior

Electricity Properties

+

Thermology Properties

+

Mechanics Properties

There is no other material possess so many superior properties.

Quality-Qualification & Certification



AS9100D/14001-TK



ISO9001/AS9100D/14001-KT



NADCAP/ISO9001/TAF-TK

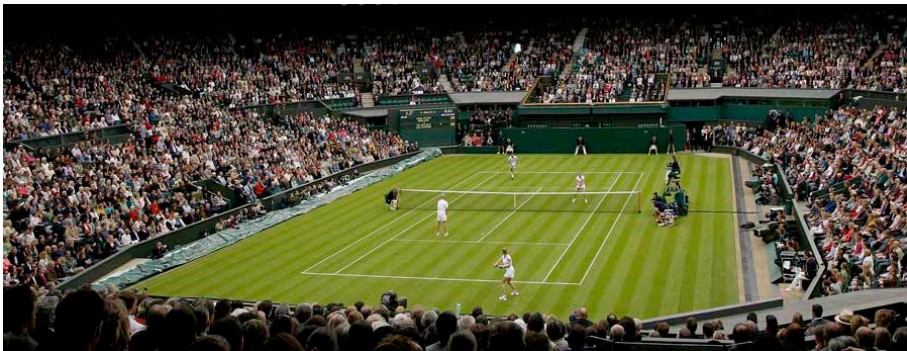


NADCAP/AS9100B-CSC

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RACKETS & SPORTS

- Annual Production Capacity 1.2 Millions.
- World's Largest OEM Composite Racket Supplier.
- 40% Seed Player Selected Rackets.
- 2017 French Open and US Open Men's Singles Champions.
- 2018 French Open Men's Singles Champion and Boy's Singles Champion.
- 2019 French Open Men's Singles Champions.
- 2019 US Open Men's Singles Champions and Runner-ups.
- 2020 French Open Men's Singles Champions.



BIKE PRODUCTS

- Annual Production Capacity 300,000 sets.
- Seven pro-teams Selected Bikes.
- 2016 Giro d'Italia Bicycle race Champion.
- 2017 Tour de France, Giro d'Italia and La Vuelta Champions.
- 2018 Tour de France Bicycle race Champion.
- 2019 Tour de France Bicycle race Champion.
- 2019 composite material E-bike
- 2020 Tour de France Bicycle race Champion.



S-WORKS TURBO LEVO



SAFETY

- Year capacity 1.3 Millions.
- First design of carbon fiber helmet(1995).
- Lightest helmet(950g) in the world and meets EC standard(2008).
- AGV won 2017 Moto3 Champion.
- AGV won 2018 Moto2 & 2020 MotoGP Champion.
- Motocross, safety helmet
- BELL won 2020 Motocross MX2 Champion.



MEDICAL

- Niche Market (Slope). Sole Source Supplier.
- World's leading Slope, Table Top & Accessories for MRI/CT.



AVIATION - Cabin Interior

Business class with economy class

- Lufthansa
- Air Berlin
- JAL
- ANA
- United Airline
- Fly Dubai
- Singapore Airline
- Cathay Pacific
- TACA
- TAM



AVIATION - Aircraft Substructure

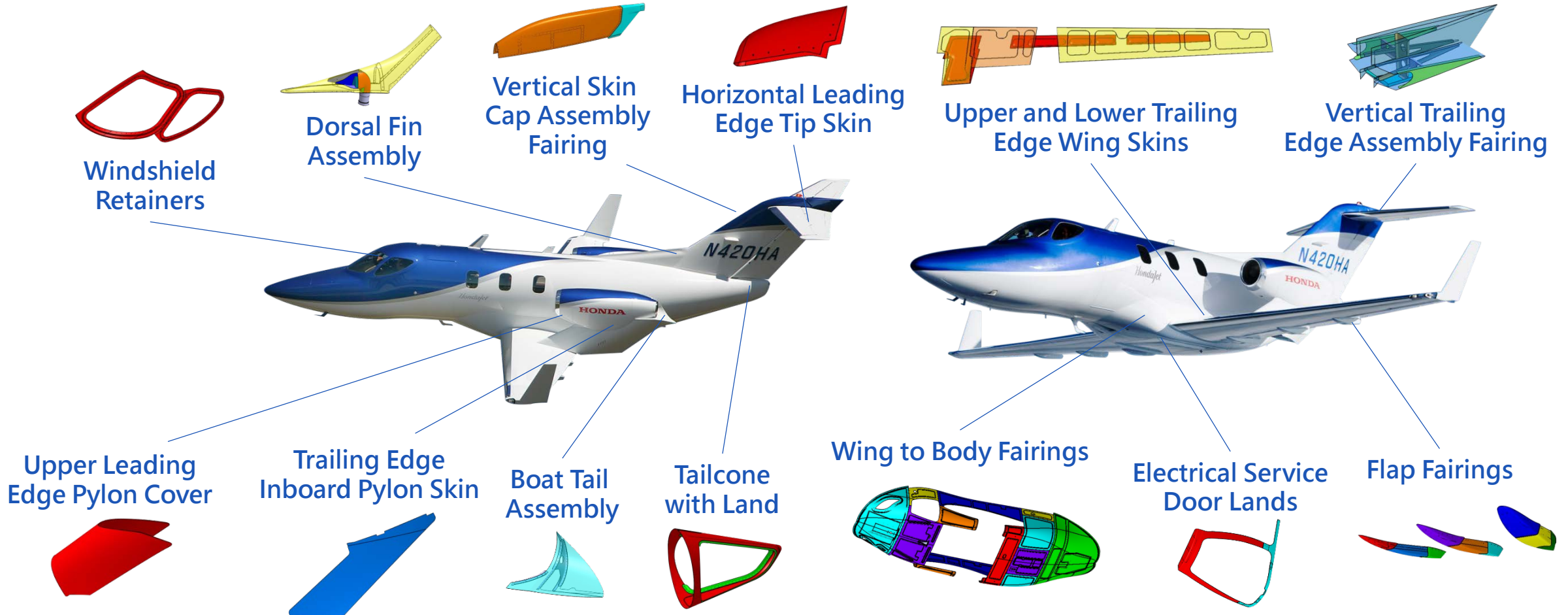


- Honda Jet Structural component Parts
- Tail Boom Assemblies for MD900, MD600N, MD520N
- Black Hawk, S-92 (Sikorsky)
- BA-609 (Bell/Agusta)

AVIATION PRODUCTS

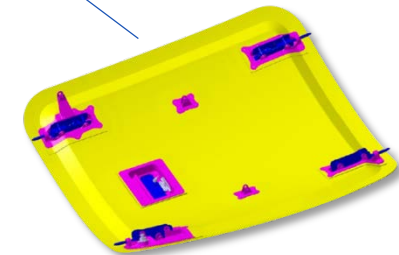
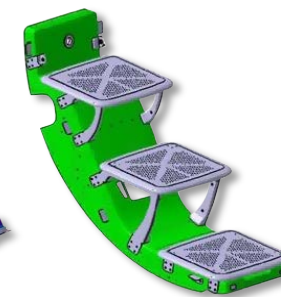
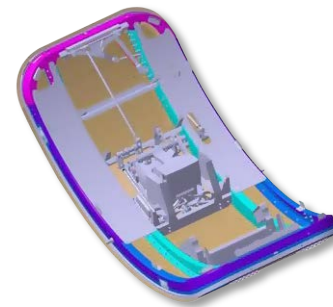
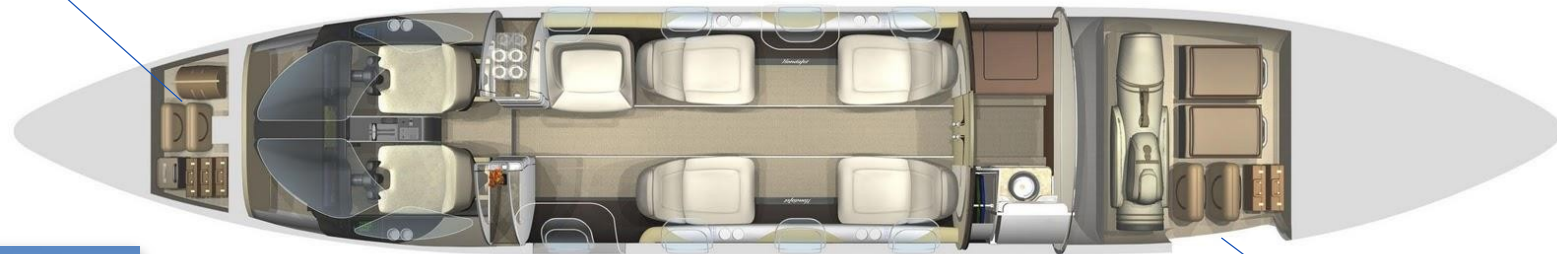
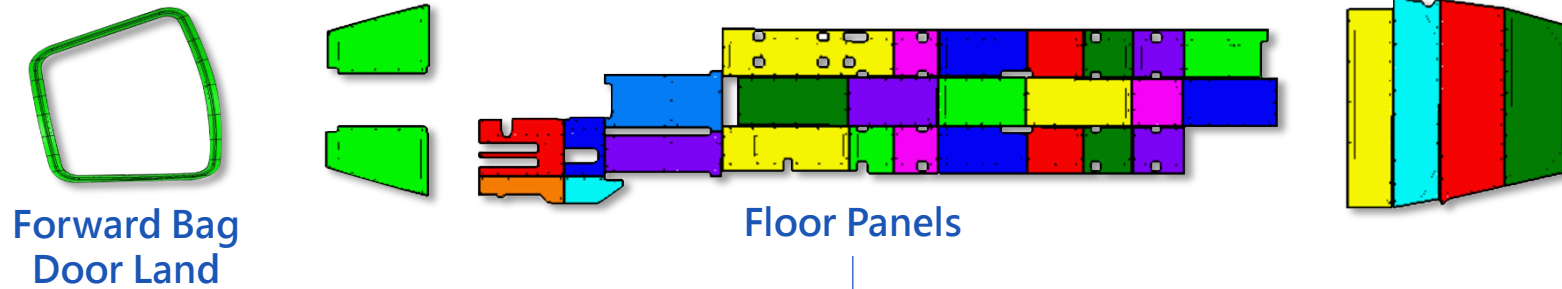
Honda Jet Structural component Parts

Honda Jet has passed FAA Certificate in 2016 and CSC started to produce around 70 parts. Right now, CSC ships 4 set monthly.



AVIATION PRODUCTS

Honda Jet Structural component Parts



Aft Baggage Door

AVIATION PRODUCTS

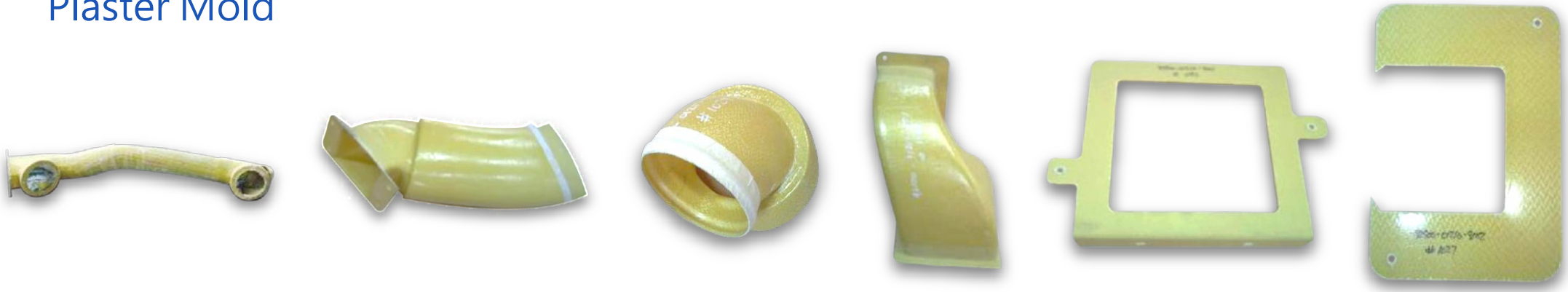
- Tail Boom Assemblies for MD900 、 MD600N 、 MD520N
- Includes:
 - Tail Boom Assembly
 - Horizontal Stabilizer Assy
 - Thruster / Rotating Cone Assy
 - Vertical Stabilizers (MD900)
- Graphite/Epoxy Honeycomb Primary Structures
- Delivered as Entire Shipsets Ready for Installation



AVIATION PRODUCTS



- S-92 (Sikorsky)
Air Conditioning Duct
Plaster Mold



TP材料介紹

1. Topkey has built 2 million M2 output production line.
2. Topkey has developed 5 engineering plastic formulations and advanced engineering plastic formulations which were used in aviation almost complete.
3. Leading industry with deep drawing fusion technology and one-time composite structure technology.

TP composite used in product design or most applied projects as follows:



Aerospace

- Aerial inside decoration
- Aerial structure or trailer



AUTO

- Car high temperature structure
- Car high attack parts and structure
- Car inside structure and decoration



3C & Others

- Consumer electronic structure, such like Laptop, Tablet, Smart Phone, and VR
- Sports equipment parts
- Consumer products impact resistance structure
- Safety and protective parts

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New Business - Aviation

- Giant commercial aircraft tail parts.
- Seaplane float parts.



New Business - Aviation

- Giant commercial aircraft interior material and parts.
- Giant commercial aircraft Business class seats.



New Business - Aviation

- Composite material will be used on commercial Aircraft Dinner car



New Business - Medical Devices



Exoskeleton Robot Suit

Designed for military, service or construction use

Applications

Carry heavy loads, dangerous environments and accident-prone work

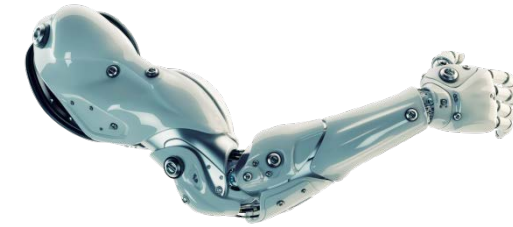


Lower-Limb Type

The elderly, or Spinal cord injury(SCI) patients

Applications

Not only give basic capacity such as walking, sitting-to standing motions also reduce leg loads for taking device accessories



Upper-Limb Type

Weakened arm muscles or has been amputated or loss arms people

Applications

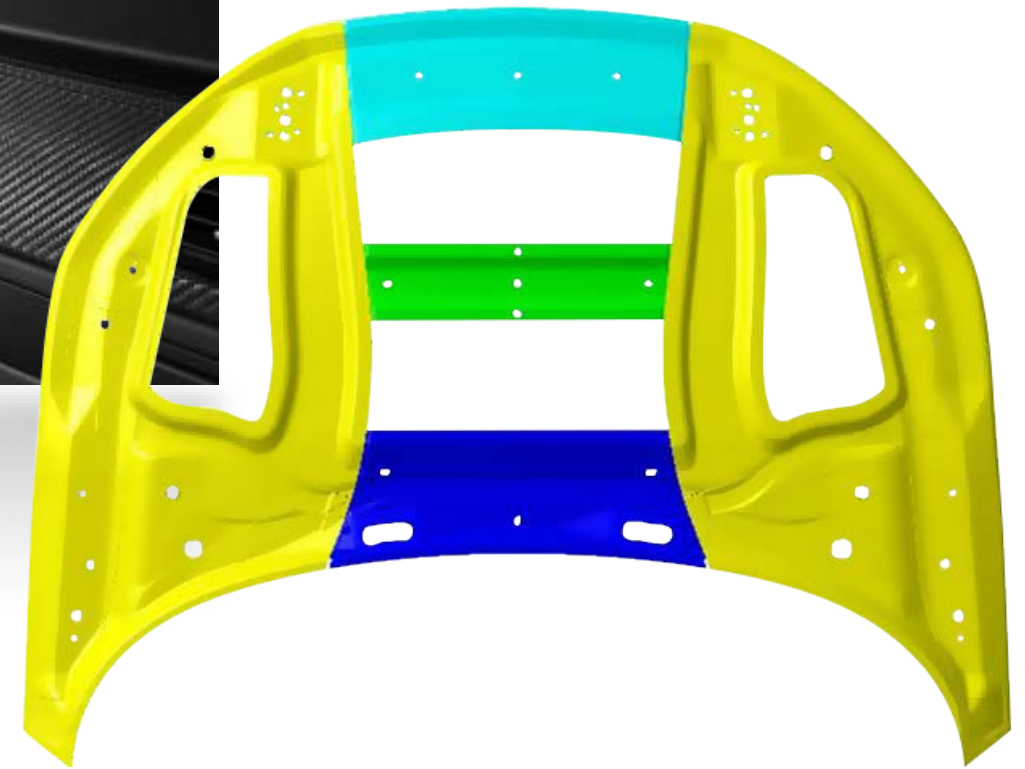
Providing the user to feed by themselves and basic living skills

New Business - 3C Products



- Application in laptop, tablet and Phone case.
- Recently many products have entered the brand development certification stage.

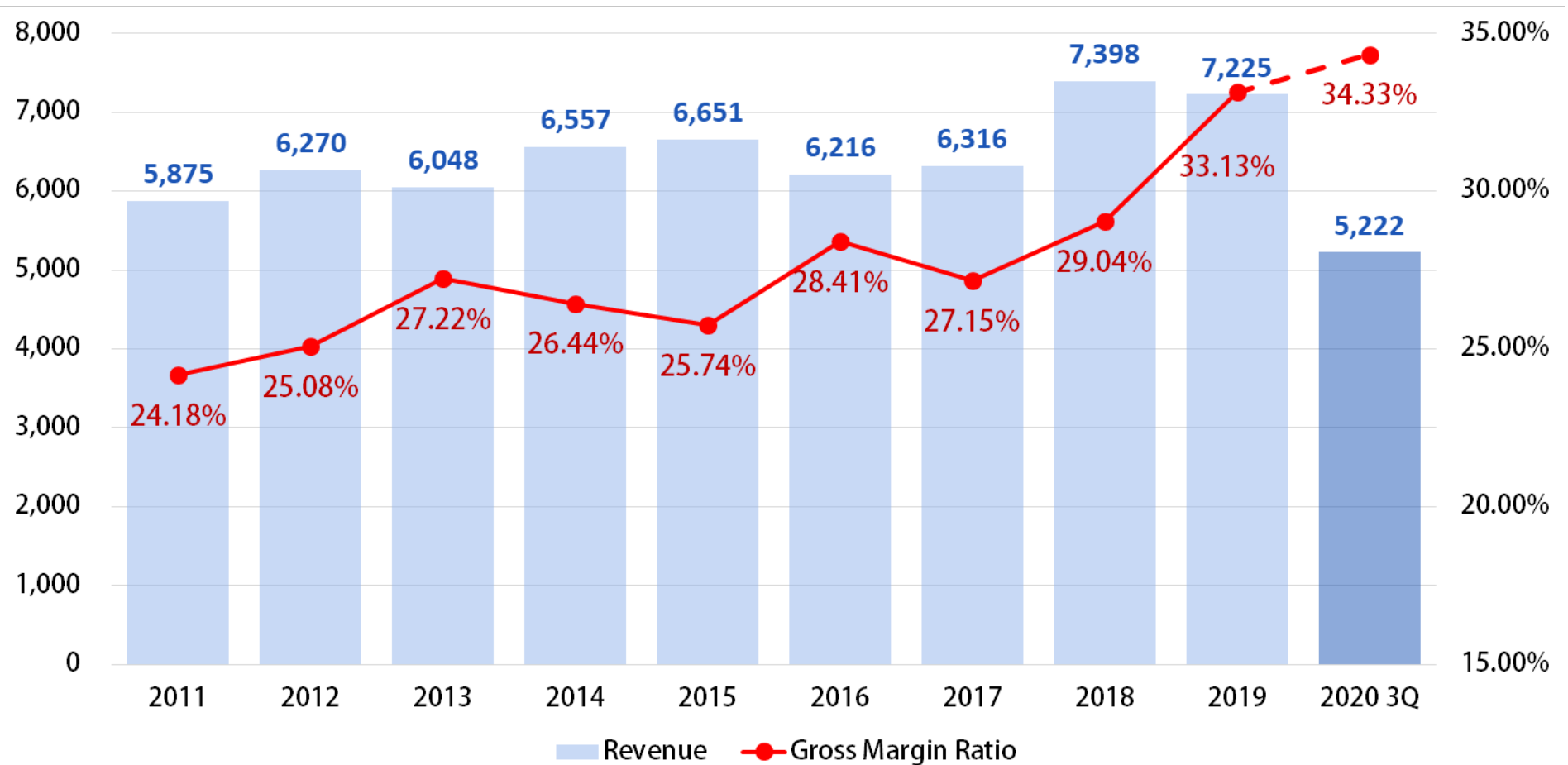
New Business - Auto



- Used in the car body structure and plate reinforcement.
- Currently working with a lots of depots design and development.

TOPKEY Group-Revenue & Gross Margin Ratio

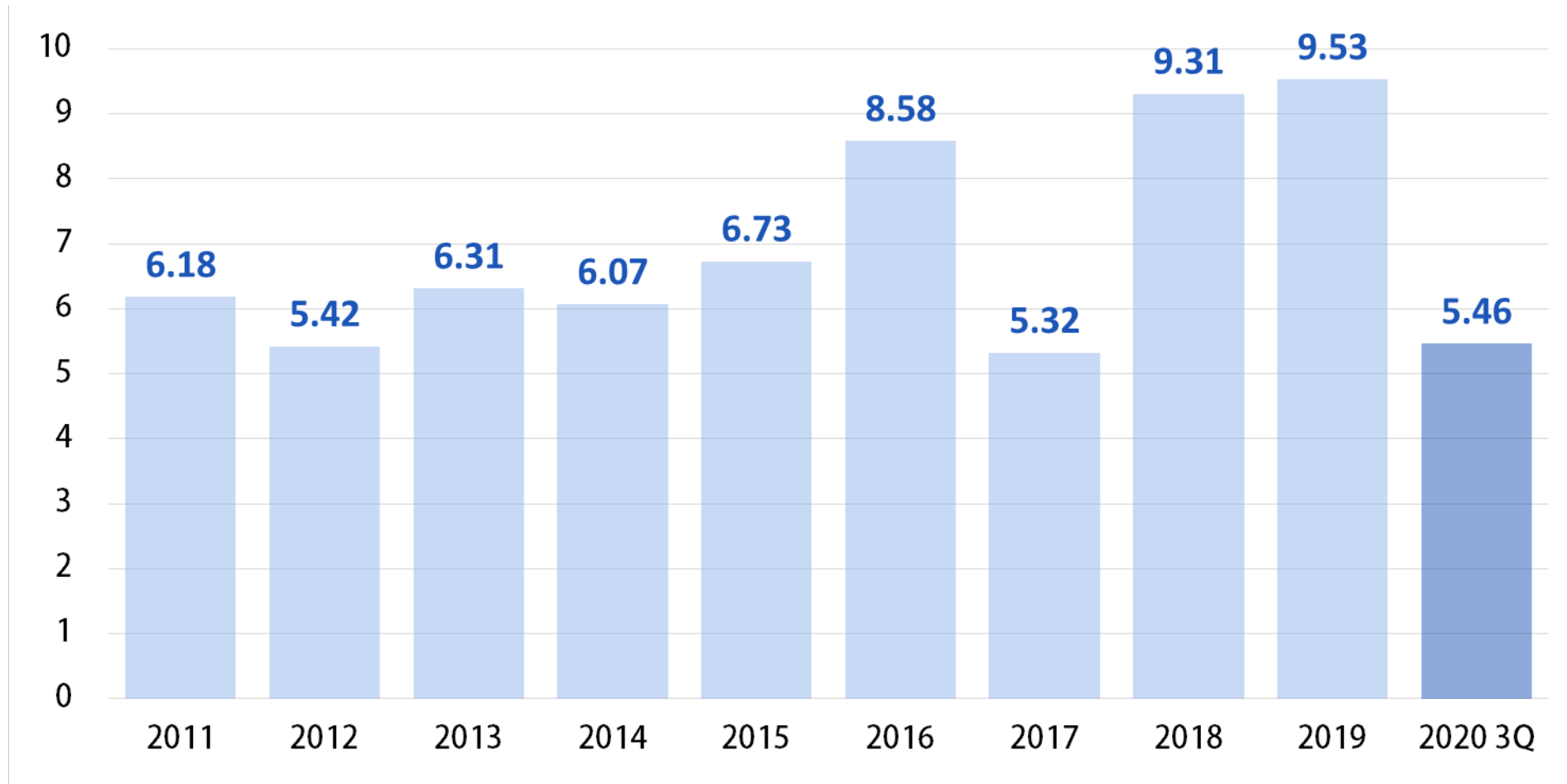
Unit : NT\$ Million



NOTE : 2011 ROC GAAP ; 2012~2020 3Q IFRS

TOPKEY Group - After-Tax EPS

Unit : NT Dollars



NOTE : 2011 ROC GAAP ; 2012~2020 3Q IFRS

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Central Taiwan Science Park - Plant simulation



Vietnam Protrade International Tech Park- Plant simulation



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TOPKEY Group TOPKEY Family. We Care.

Employees as important assets---

to fill their life rich and diversified increasing their humanistic literacy.

Growing Healthily

Regularly we hold sport competitions and activities. By participating sport competitions and club activities, to balance the staffs' physical, mental, job and family perfectly.



Corporate Social Responsibilities - Social care

From the beginning...

- In order to practice corporate social responsibility, TOPKEY Corporation, through the establishment of TOPKEY Education Foundation, invited Taichung area enterprises that interested in social responsibility, as enterprises volunteer, to contribute the community with social welfare organizations.
- As a promoter of corporate volunteer, every year TOPKEY Education Foundation participates Tai-Chung corporate volunteer day and invites all enterprises to join. During the Autumn is gone and the Winter is coming, through the service of children, the elderly, younger, women, new residents, aboriginals, physical and mental disabilities and other ethic groups, in the day with sweat and smile, irrigation heart and nourishing life, making a year of volunteer service results to harvest and collection.



Corporate Social Responsibilities - Social care

Tai-Chung corporate volunteer day 2020/12/12



Corporate Social Responsibilities - Social care

Tai-Chung corporate volunteer day 2012~2019

2019/11/02 river

- 46 companies, 700 volunteers

2018/11/17 Waipu Expo Site

- 46 companies, 567 volunteers
- 12 Social welfare organizations, 504 service objects
- Total 1,071 participants

2017/12/02 Civic Plaza

- 60 companies, 850 volunteers
- 43 Social welfare organizations, 830 service objects
- 46 park tour booth, 300 volunteers
- Total 2,000 participants

2016/11/26 Civic Plaza

- 28 companies, 600 volunteers
- 26 Social welfare organizations, 600 service objects
- 115 park tour booth, 800 volunteers
- Total 2,100 participants



2015/11/07 Civic Plaza

- 44 companies, 1,200 volunteers
- 35 public interest proposal, 990 service objects
- Total 2,000 participants

2014/11/08 Civic Plaza

- 37 companies, 821 volunteers
- 32 Social welfare organizations, 985 service objects
- Total 1,806 participants

2013/11/09 Charlotte Park

- 33 companies, 794 volunteers
- 25 Social welfare organizations, 861 service objects
- Total 1,655 participants

2012/12/23 National Museum of Natural Science

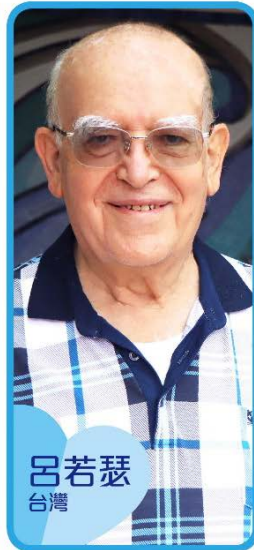
- 20 companies, 600 volunteers
- 15 Social welfare organizations, 600 service objects
- Total 1,200 participants

Corporate Social Responsibilities - Social care



TOPKEY Volunteer earned **“2018 Business Volunteer Award”**

CSR -2020 COMPASSION AWARD



愛心獎
COMPASSION AWARD
第15屆 • 2020

Chairman of TOPKEY earned
" 2020 COMPASSION AWARD "



THANK YOU

For more information, please visit our website:

<http://www.topkey.com.tw>