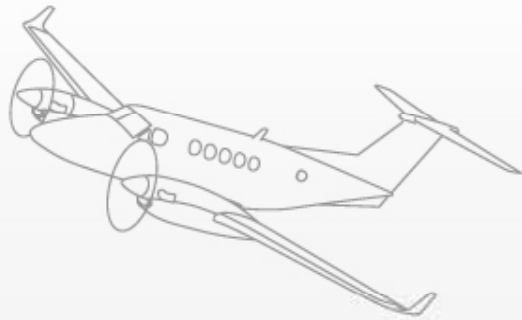
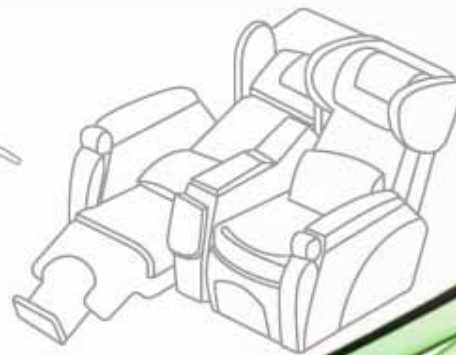




TOPKEY
Excellence in Composites

Stock Code - 4536



TOPKEY in your Life

- About TOPKEY
- Core Technology
- Business Groups
- New Business
- CSR



TOPKEY CORPORATION

Chairman : Walter Shen

President : Tony Chu

Staff : 267

Established on : 1980/07/11 <35 years>

Capital : NT\$ 908.2 Million

Address : NO.18. 20th Road, Industrial Park

Taichung, Taiwan, R.O.C.40850



TOPKEY Group



1980

TAIWAN, ROC

TOPKEY CORPORATION



1988

XIAMEN, CHINA

KEENTECH COMPOSITE TECH.
CO.,LTD XING LIN PLANT



1995

SEATTLE, USA

Composite Solutions Corporation



1999

XIAMEN, CHINA

YEYU CHUAN COMPOSITE
TECHNOLOGY CO.,LTD



2000

XIAMEN, CHINA

XIN HONG ZHOU PRECISION
TECHNOLOGY CO.,LTD



2004

XIAMEN, CHINA

VALVER COLOR
STICKER CO.,LTD



2007

XIAMEN, CHINA

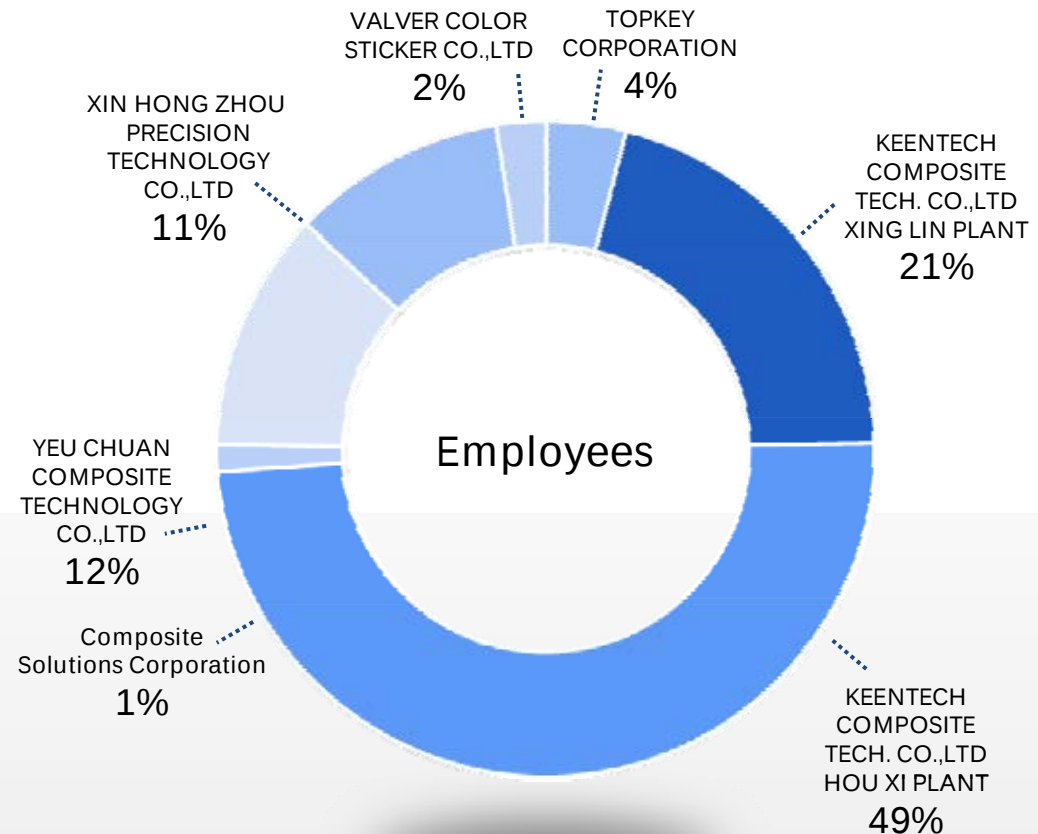
KEENTECH COMPOSITE
TECH. CO.,LTD HOU XI PLANT

TOPKEY Group

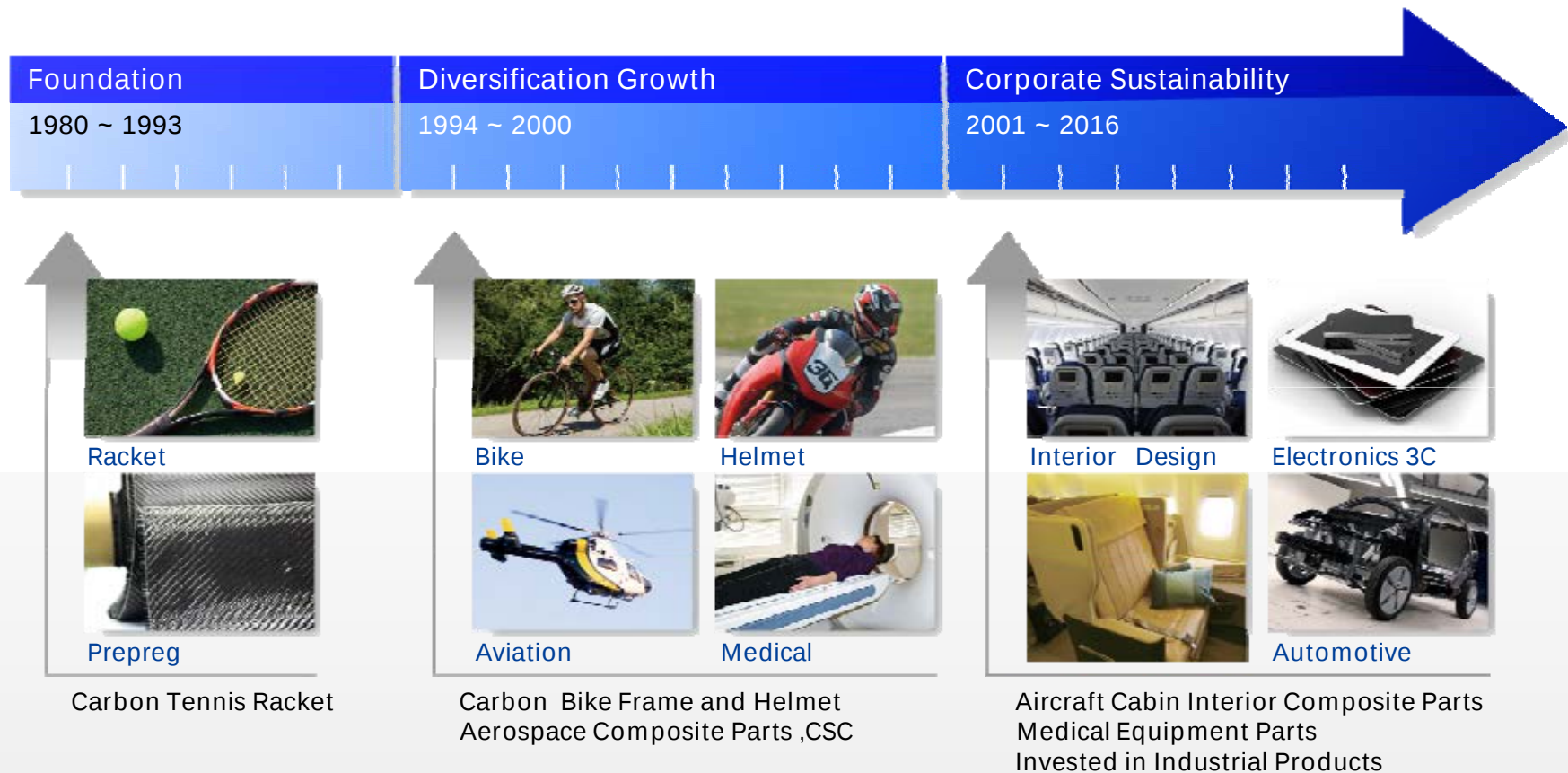
2015 Employees

TOPKEY CORPORATION	267
KEENTECH COMPOSITE TECH. CO.,LTD XING LIN PLANT	1401
KEENTECH COMPOSITE TECH. CO.,LTD HOU XI PLANT	3,315
Composite Solutions Corporation	88
YEU CHUAN COMPOSITE TECHNOLOGY CO.,LTD	793
XIN HONG ZHOU PRECISION TECHNOLOGY CO.,LTD	716
VALVER COLOR STICKER CO.,LTD	167

TKG Employees : 6,742



Composite History of TOPKEY



Diversification of Products and Industries

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



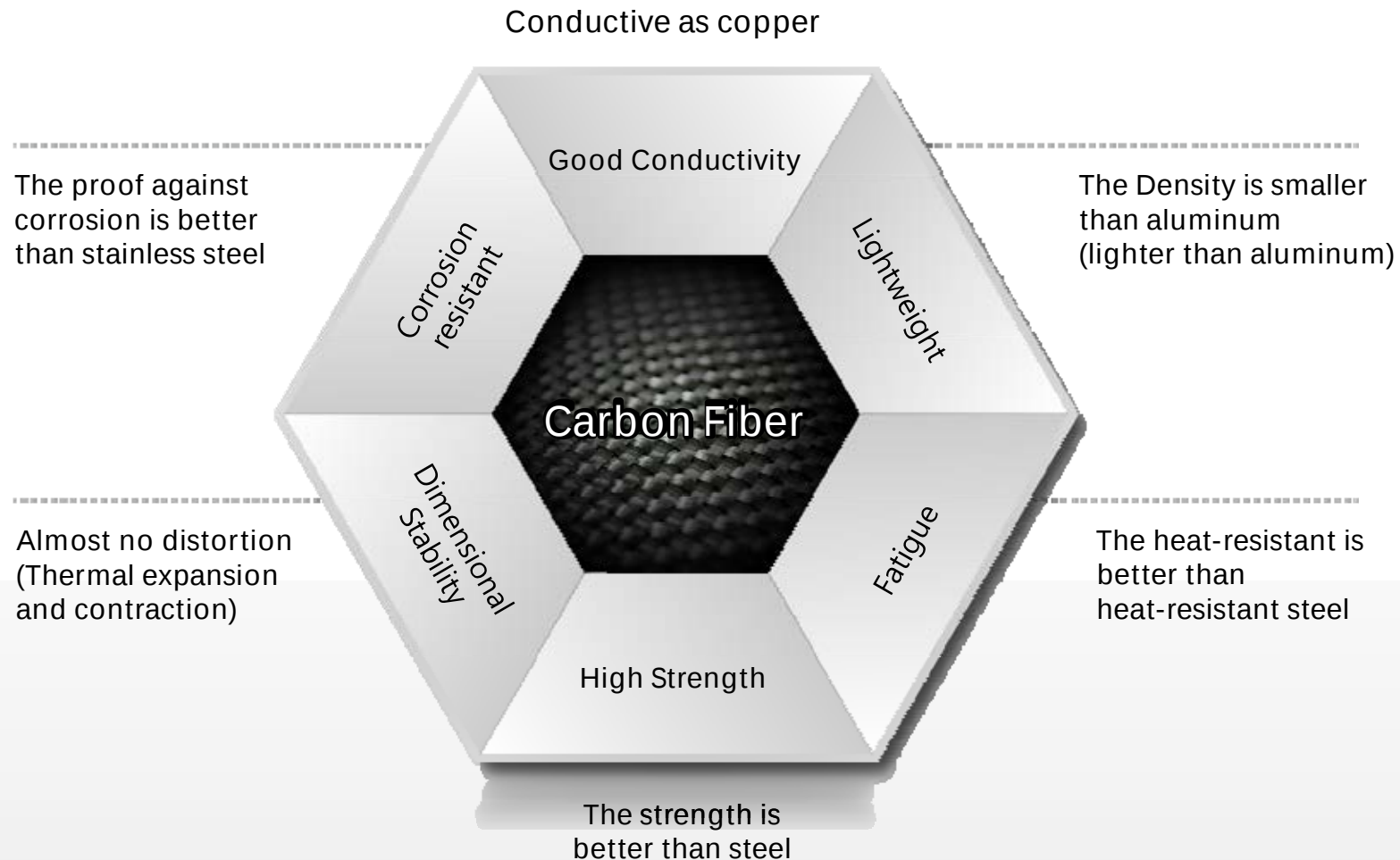
**GLOBAL
No.1**



- About TOPKEY
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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



ISO9001/AS9100C/14001-KT

NADCAP/ISO9001/AS9100C-TK

NADCAP/AS9100B-CSC

Quality-Qualification & Certification

FST TEST : FAR 25.853 ABD 0031 & TOPKEY RD-C-0107

TEST REPORT - Flammability									
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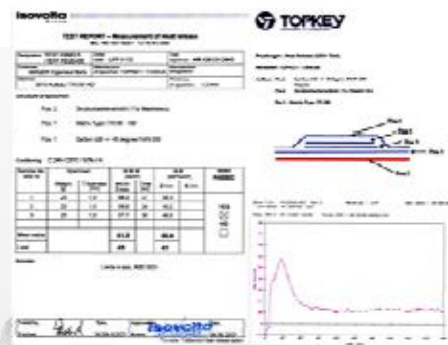
Flammability

TEST REPORT - Smoke Density									
TEST REPORT - Smoke Density									
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Smoke Density

TEST REPORT - Toxicity									
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Toxicity



Heat Release Test Report									
Heat Release Test Report									
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Heat Release Test Report									

Heat Release



- About TOPKEY
- Core Technology
- **Business Groups**
- New Business
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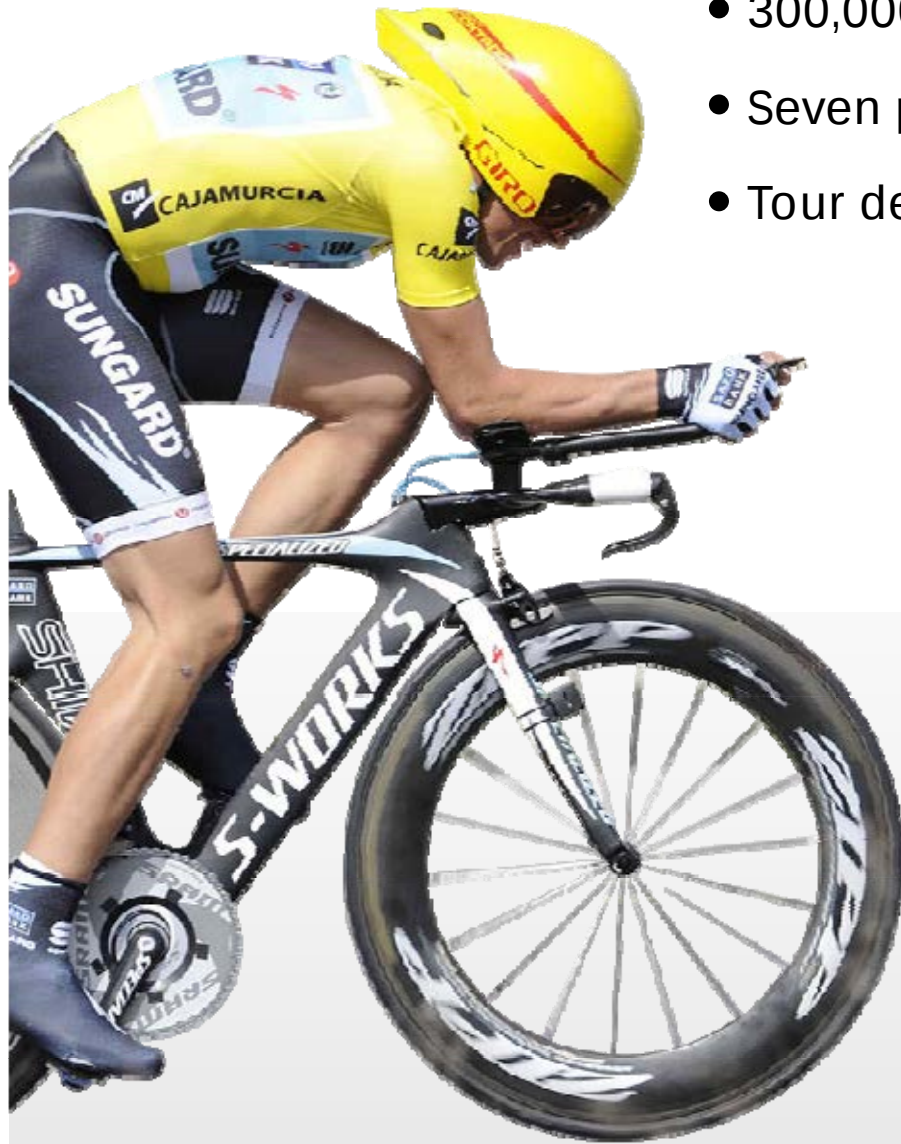


RACKETS & SPORTS



- 2 Millions Annual Production Capacity .
- The Largest OEM Composite Racket Supplier in the world.
- 50% Seed Player Selected Rackets.

BIKE PRODUCTS



- 300,000 sets Annual Production Capacity .
- Seven pro-teams Selecte Bikes.
- Tour de France and Tour of Spain Champion in 2014.

SAFETY



- 1.3 Millions Year Capacity .
- First Design Carbon Fiber Helmet in1995.
- The Lightest Helmet (950g) in the world and Passed EC Standard in 2008.

MEDICAL

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



AVIATION - Cabin Interior

- World's leading composite aircraft seat components manufacturer with annual capacity of 200K+ seat backrest units.
- World leading manufacturer in providing Fire, Smoke, Toxicity and Heat release rate qualified material for aircraft interior application.



AVIATION PRODUCTS

Business Class & Coach Class

- Lufthansa
- United Airline
- TACA
- Air Berlin
- Fly Dubai
- TAM



AVIATION PRODUCTS

Business Class & Coach Class

- Singapore Airline
- JAL
- ANA
- Cathay Pacific



AVIATION - Aircraft Substructure



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

AVIATION PRODUCTS



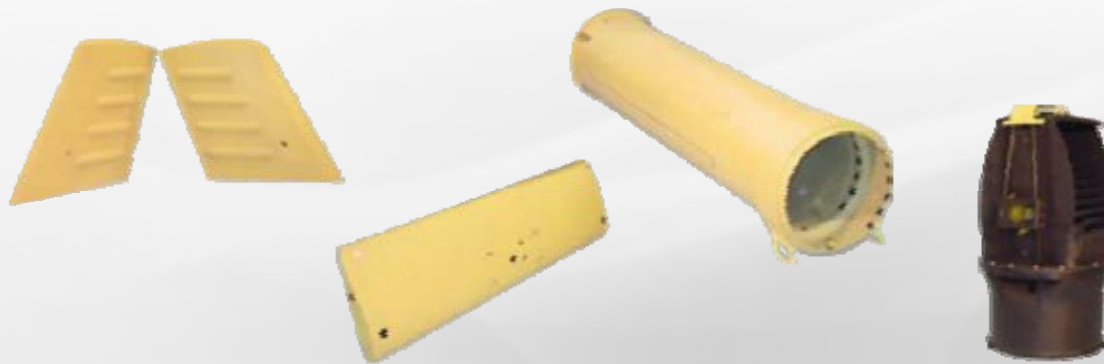
C-17 Lavatory (MD)

Designed and Tested by CSC for :

- Design Loads
- Shock and Vibration
- Environmental Criteria
- Flammability

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



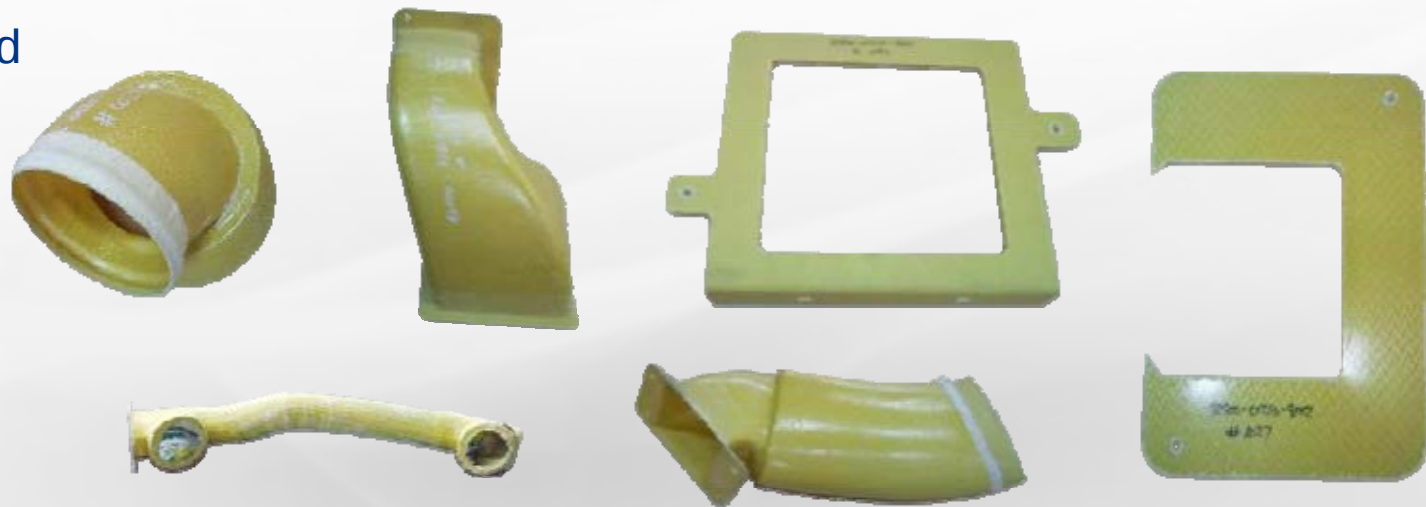
- Black Hawk
Draft Shaft Housing
Curing Mold/Tooling Mold



AVIATION PRODUCTS



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



Thermoplastic Polymer Various Application in Industries

Industries	Application
Aerospace	•Cabin interior
	•Structure assemblies
Automobile	•Reinforced high temperature structure
	•Enhanced safety features
	•Car interior and decoration
3C and Others	•Consumer electronics such as NB、 Tablet PC、 Smart phone and VR
	•Sport equipment
	•Resistance impact of consumer products
	•Safety and protective parts

Product Geometric and Combinations

Commodity Sheet



Left to Right: GF/CF/Decoration Sheet

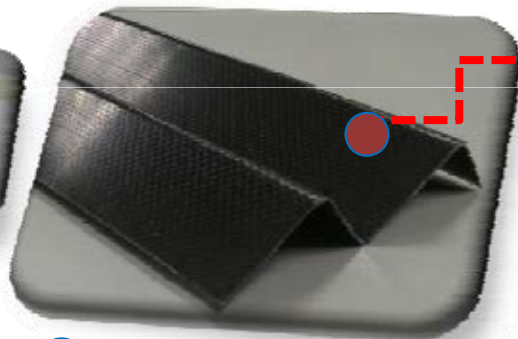
Forged CF



- Thickness Flexibility
- Fiber Optional
- High performance Sheet and best C/P value
- One step decoration Sheet

2nd Applications

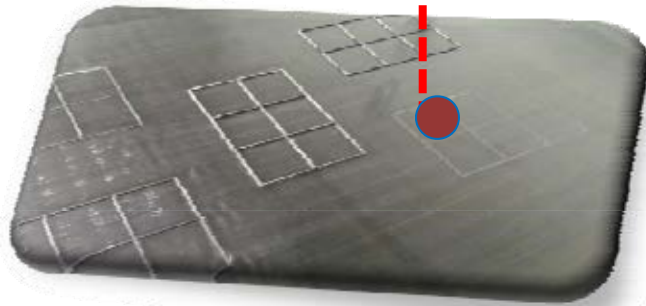
N/A



- C and Z Shape
- Uniform Thickness Shaping

Product Geometric and Combinations

2nd Special Applications



- One shot Deep drawing of rib and shaping



- One shot deep drawing of thin rib and thermo-welding thickness strip



- Thermo-welding Sandwich CFRTP (honeycomb or structure foam without adhesive)

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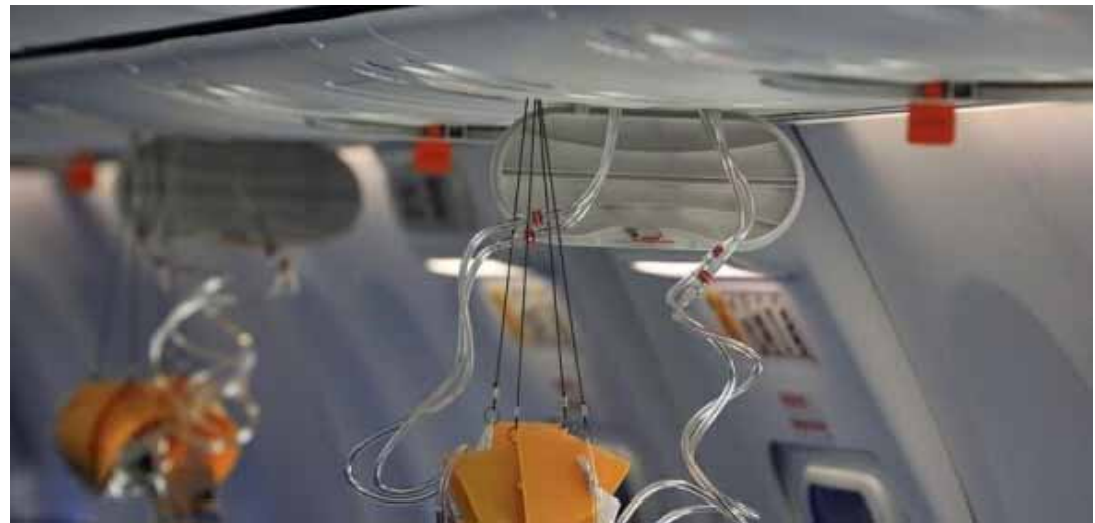


New Business-Aviation-1



RESOURCES:GOOGLI

New Business-Aviation-2



<http://www.stelia-aerospace.com/en/p16-passenger-seats/>, GOOGLE

New Business-Aviation-3



RESOURCE:GOOGLE

New Business-Medical Devices-1

Exoskeleton Robot

	User	Applications	Products
Exoskeleton Robot Suit	Designed for military , service or construction use	Carry heavy loads, dangerous environments and accident-prone work	 
Walking Assist	Old people, spinal cord injury (SCI) patients	Not only give basic capacity such as walking, sitting-to standing motions also reduce leg loads for taking device accessories	 
Upper-Limb Exoskeleton	Weakened arm muscles or has been amputated or loss arms people	Help user to feed b y themselves and basic living skills	 

資料來源：IEK產業情報網

■ New Business-Medical Devices-2



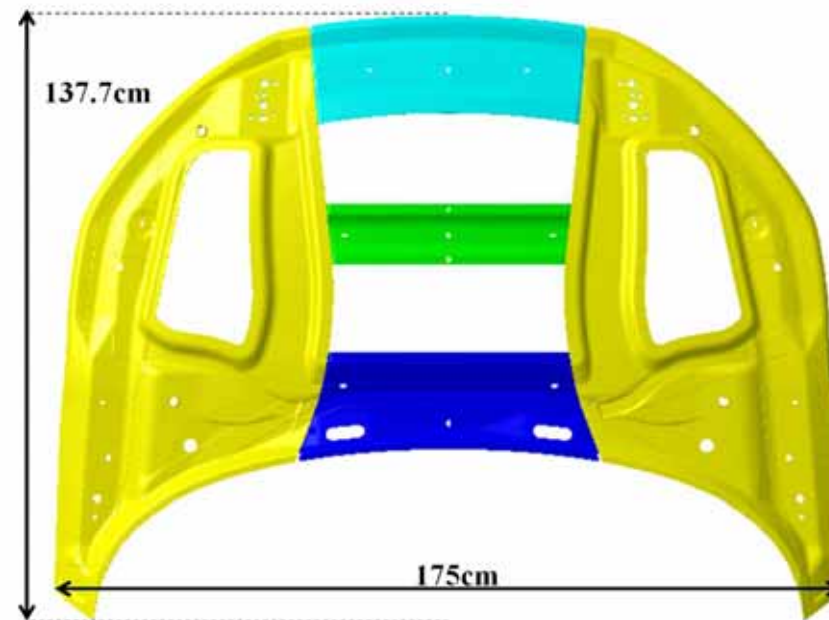
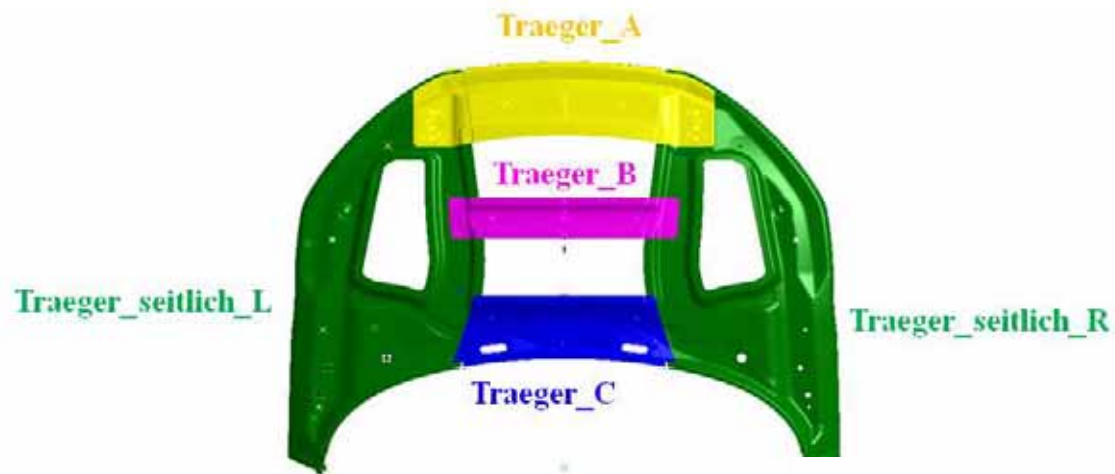
圖檔來源:GOOGLE

New Business-3C

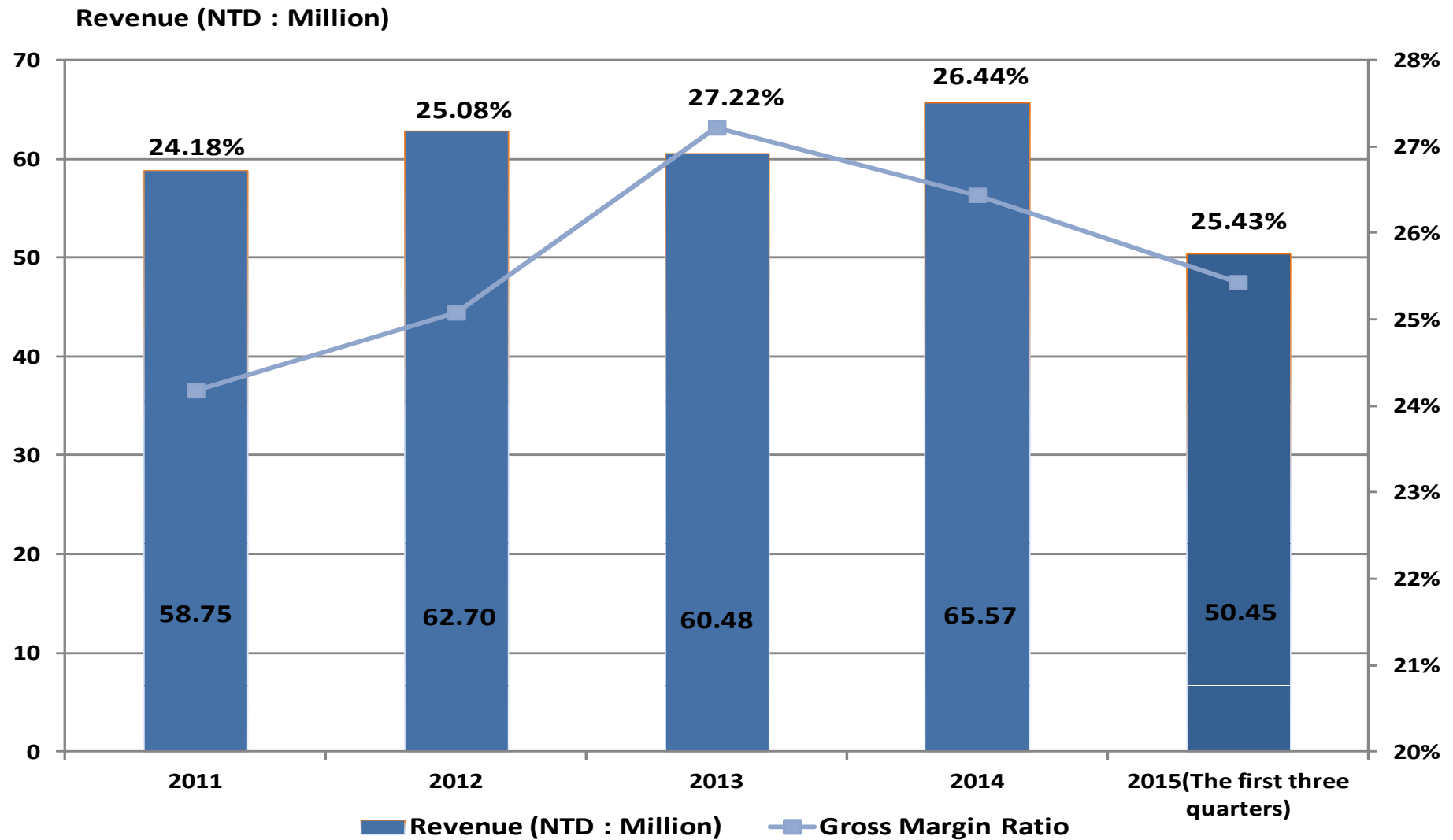


圖檔來源:GOOGLE

New Business-Car Accessories

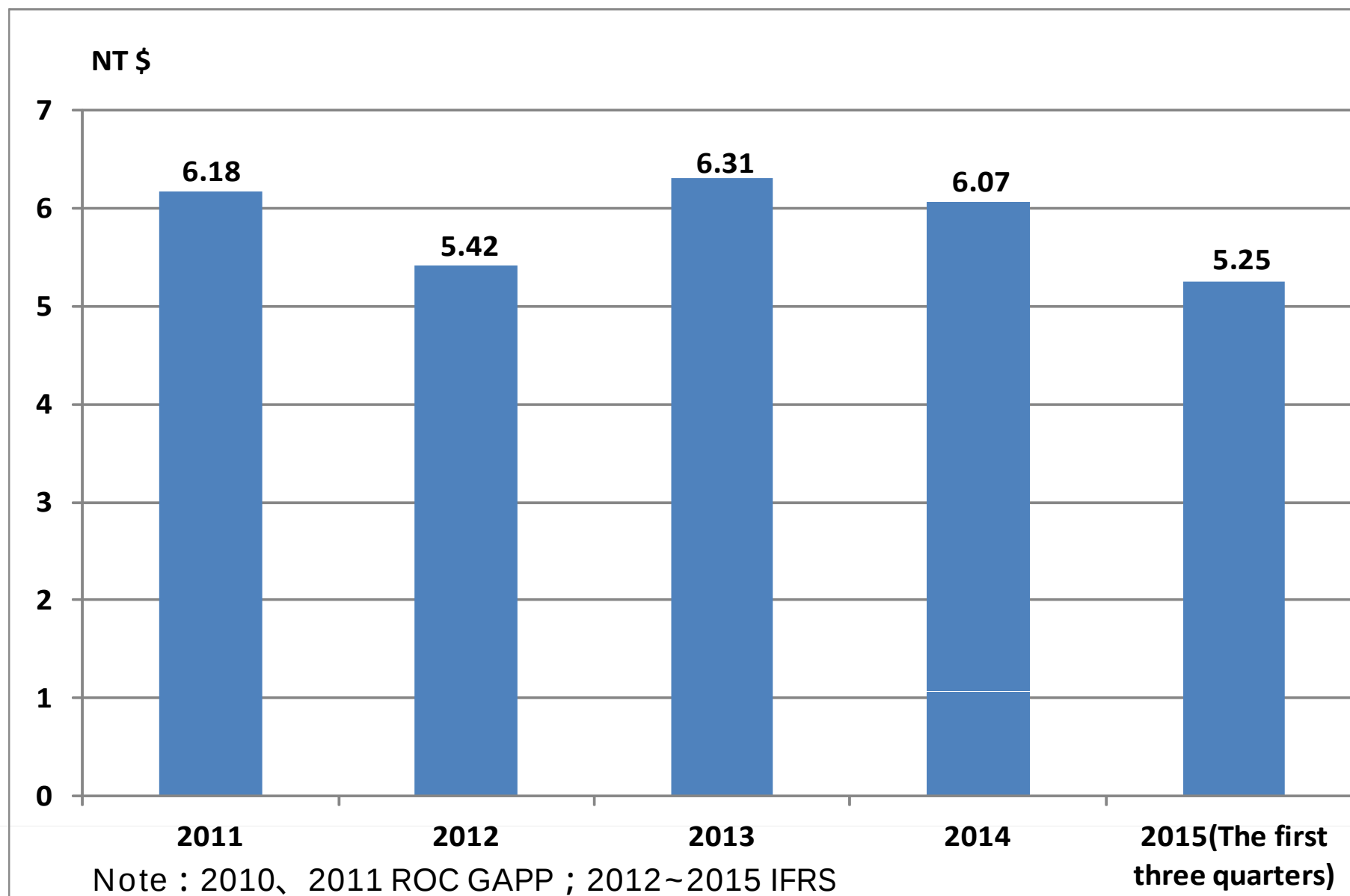


TOPKEY Group - Revenue & Gross Margin Ratio



Note : 2010、2011 ROC GAPP ; 2012~2015 IFRS

TOPKEY GROUP - After-Tax EPS



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TOPKEY Group TOPKEY Family. We Care.

Employees are our important property---
Various activities can make their life more eventful

Growing Healthy

Regularly we hold sport competitions and activities.
By participating sport competitions and club activities
can achieve the balance perfect between physicality and mentality, job and family.



CSR

Participation in social community activities actively

- 2013-11 Arranged a Tai-Chung enterprise volunteer activity
- 2012-11 Arranged a Tai-Chung enterprise volunteer activity
- 2011-11 Held a Corporate Social Responsibility Forum
- 2011-03 Topkey donated NT\$10million for Japan earthquake.
- 2010 Topkey founded A Topkey foundation.
- 2009 Topkey donated NT\$10million for 88 Morakot flood.
- 2008-03 Topkey donated RMB300,000 for East China snowstorm.
- 2008-05 Topkey donated RMB800,000 for 521 Sichuan earthquake of China.
- 2007-12 Topkey held volunteer fair to attract staffs join to volunteer team.



拓凱教育基金會
Topkey Foundation



THANK YOU

For more information, Please visit our website:
<http://www.topkey.com.tw>

