

TOPKEY INVESTOR REPORT

- 2022 Q4 (4536)



Topkey Corporation

2022 Q4

MILESTONES

Initiation & Stabilization



1980
1989

- Started with tennis racket business
- Self-developed high performance resin matrix
- Self-research impregnation process
- Subsidiary - Keentech Composite Technology (Xiamen, CN)

Business Transformation



1990
1999

- Diversified into bike and helmet business
- Acquired and renamed - Composite Solution Company (Seattle, US)
- Subsidiary - Yu-Quan Technology (Xiamen, CN)

Business Upgrading & Innovation



2000
2009

- High-valued expansion into aviation and medical parts business
- Self-developed resin matrix passing aviation FST/HRR flammability test for interiors
- Subsidiary - Xin-Hong-Zhou Co. and Yun-Fu Co. (Xiamen, CN)

Corporate Culture Development



2010
2019

- Established Topkey Foundation for CSR
- IPO (4536) as a listed company in Taiwan
- Self-developed thermoplastic resin
- Subsidiary - Topkey Vietnam (Binh Duong)

Sustainable Materials & Manufacturing



2020
2029

- New expansion - located at the Central Taiwan Science Park (Taichung)
- Sustainable development

**INTEGRITY · DILIGENCE ·
INNOVATION · GRATITUDE**

LOCATIONS

1980 Taichung, TAIWAN (24,458 m²)



1988 · 2007 Xiamen, CHINA – Houxi & Xinglin (136,303 m²)



Houli, TAIWAN (51,241 m²)



First phase project is to go into operation by 2024Q3

2021 Binh Duong, VIETNAM (74,993 m²)



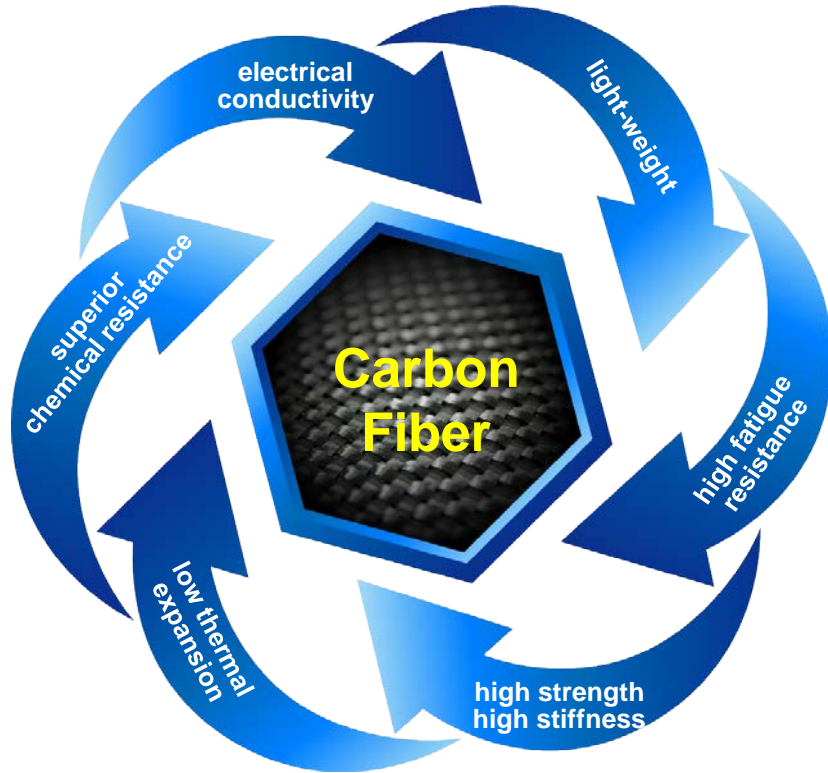
First phase project is to go into operation by 2022Q3



NEW CONSTRUCTION - Houli Plant




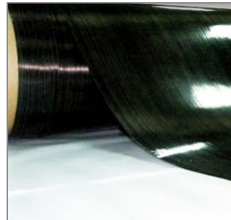
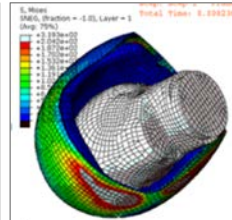


EXCELLENCE in COMPOSITES



- Superior mechanical, thermal and electrical properties
- Most efficient lightweight material to use as alternative to conventional metals for numerous structural uses.

Total Customer Solutions

<ul style="list-style-type: none"> • Fiber • Resin Matrix • Core • Other Chemicals 	<ul style="list-style-type: none"> • Fabric • Prepreg <p>Thermoset Thermoplastic</p>	<ul style="list-style-type: none"> • Analysis • Structure • Layup • Tooling • Process 	<ul style="list-style-type: none"> • Oven • Hot Press • Autoclave • RTM • Injection 	<ul style="list-style-type: none"> • Racket • Bike • Safety • Aviation • Medical
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Material	Impregnation	Methodology	Manufacturing	Application
				

With its high level of vertical integration capability, TOPKEY successfully demonstrated the total composite solutions for customers' needs.

Thermoset

- Complex contours
- Highest stiffness

Thermoplastic

- High productivity
- Versatility and controllability
- Good environment friendliness
- Green materials



BUSINESSES

TOPKEY has achieved its remarkable success in a wild range of products for composite industries.



Bike



Safety



Racket



Aviation



Medical



Precision

EXTERNAL ENVIRONMENT FACTORS



- US-China trade war
- Demographic dividend weakening
- Russian invasion of Ukraine
- Rising raw material costs
- Port congestion



Images sourced from internet

Leisure and Sports - BIKE

- Being a valuable carbon fiber bike part manufacturer to the top players in the global bicycle industry.
- Rising demand for bicycles all over Europe driven by increasing urbanization, congestion and sustainability, according to major customers.
- Offering high flexibility with operation bases in different regions for frame-set and rim production.
- Providing customers with composites expertise for key performances required to achieve market trends
- Promoting one-stop-service with manufacturing and sub-assembly



Leisure and Sports - SAFETY

- With "one helmet one belt" policy launched, the helmet industry in China enjoyed boom, as well as “motorcycle ban lifting”.
- Demand growth for helmet boom sparked by COVID in power sports
- Aiming to more market share in carbon fiber helmet at different segments



Leisure and Sports - RACKET



- Carbon fiber tennis racket market maintained an optimistic growth along with the four Grand Slam tournaments and other large games.
- Expediting capacity building for booming Padel Sports market.
- Padel racket is to be the focus of business growth in addition to tennis/badminton rackets.



Photos sourced from internet

PROGRESS UPDATE - Aviation and Medical

- Air transportation industry recovery remains uneven. Domestic RPKs pause but international RPKs accelerate.
- Boeing and Airbus have delivered 216 and 295 aircraft, compared to 156 and 297, respectively, in the first half of 2021.
- Some new designs shape the premium space onboard on new single aisle to enhance the passenger experience.



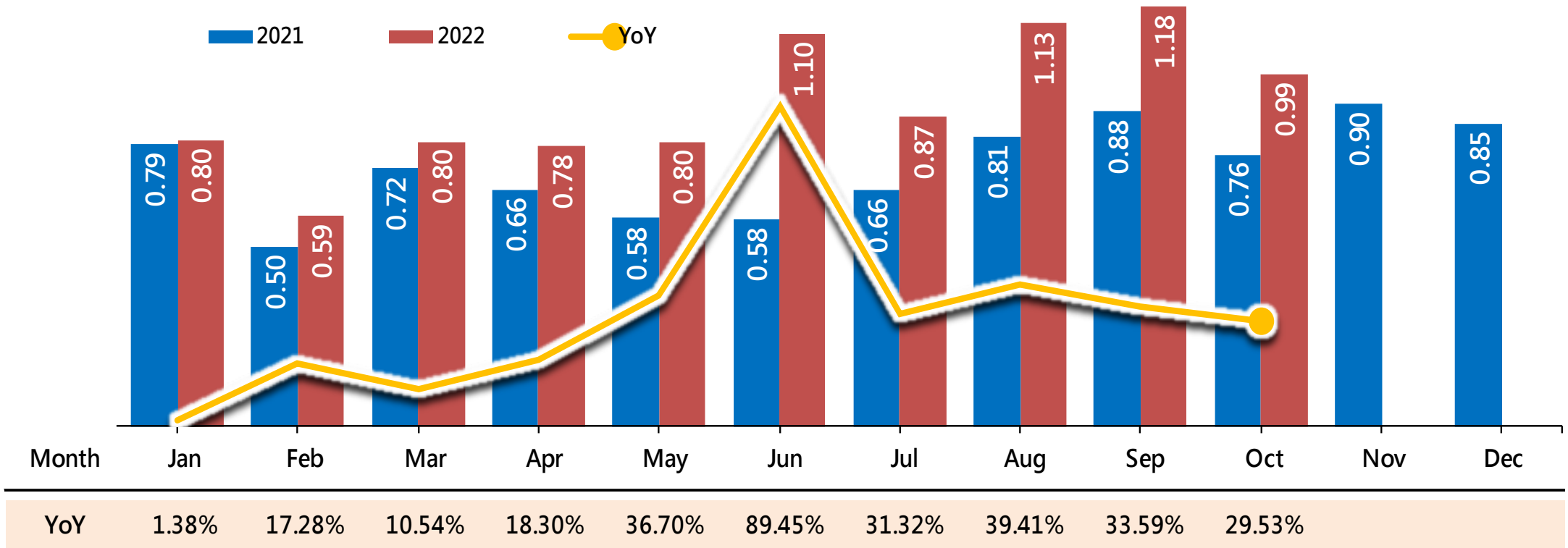
- Describing the policy set by China's Two Sessions and 14th Five-Year Plan, demand for imaging equipment remains increasing, especially CT tomography scanner.
- In addition to EU and US brands, seeing more China government owned manufacturers found for medical imaging equipment.
- For carbon fiber composite tabletop, TOPKEY is aiming for higher market share in the advanced medical imaging equipment.
- Invited by main customers to participate in the new design work for C-arm products.



FINANCIAL HIGHLIGHTS

TOPKEY(4536) 2022 Monthly Revenue

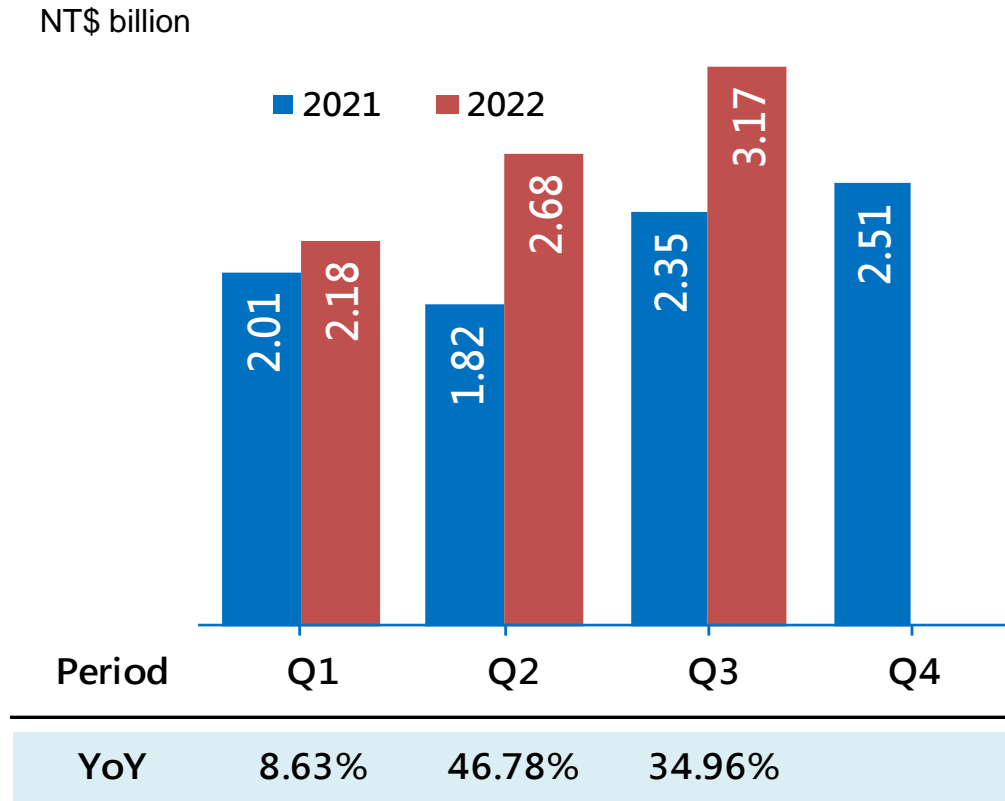
NT\$ billion



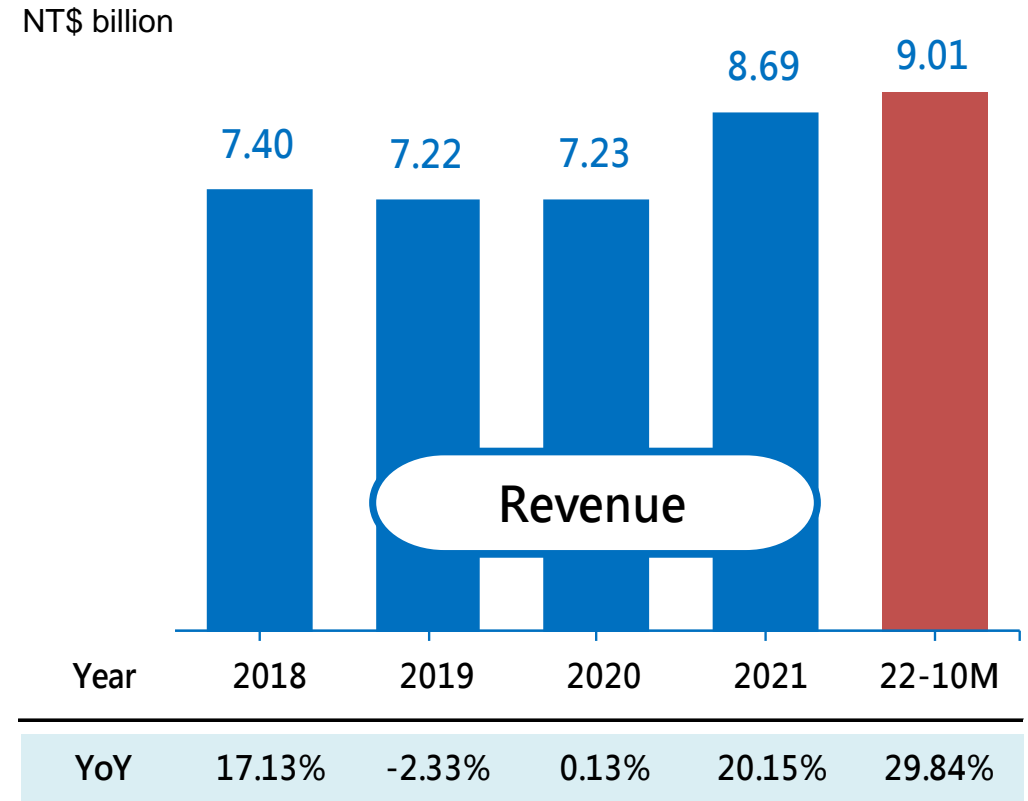
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FINANCIAL HIGHLIGHTS

TOPKEY(4536) 2022 Quarterly & Year Revenue



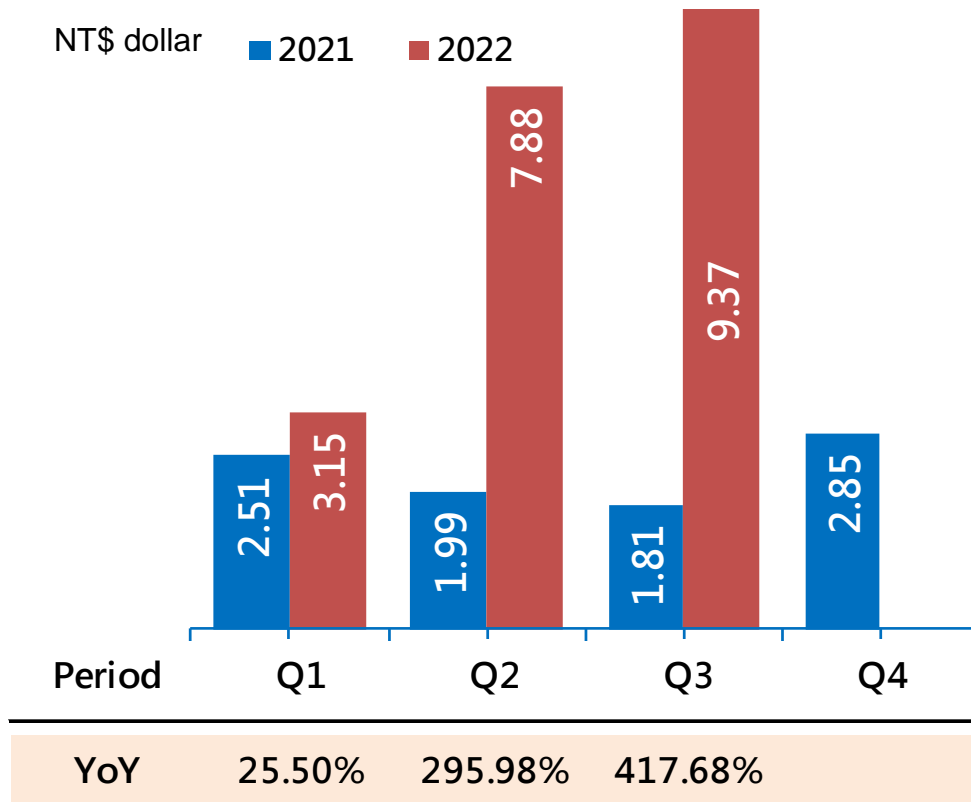
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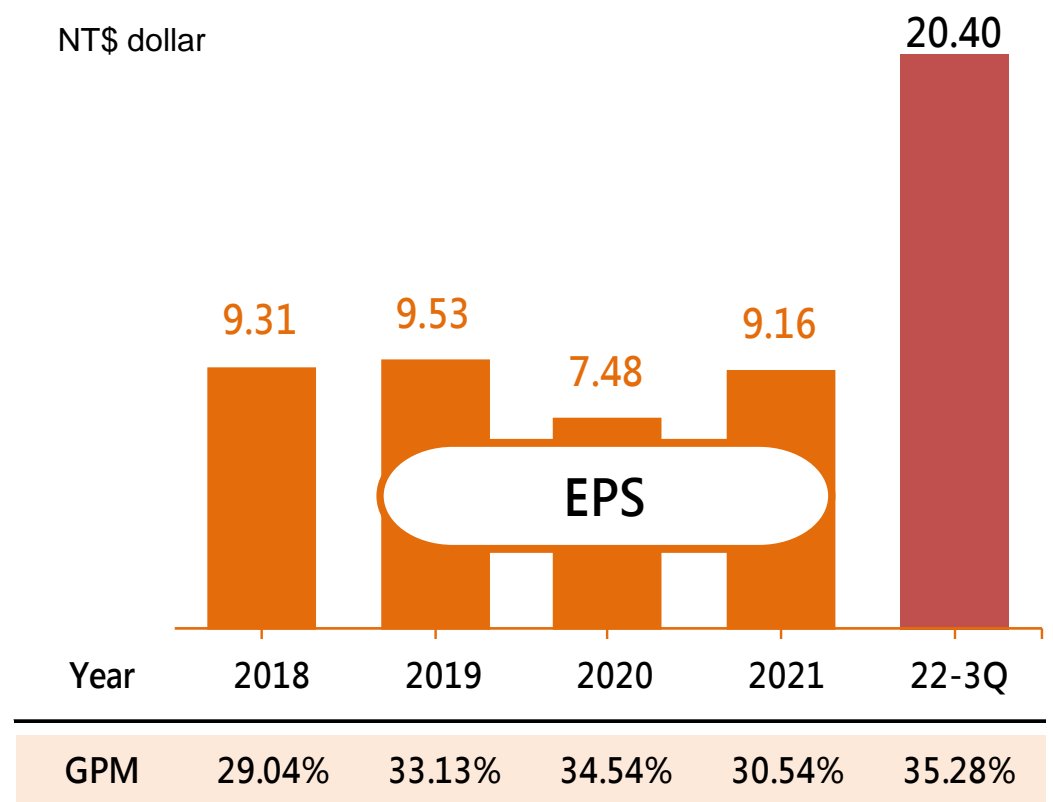
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FINANCIAL HIGHLIGHTS

TOPKEY(4536) 2022 Quarterly & 2018-2022 EPS



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Grand Taichung Volunteer Day

- Establishing a platform for industrial and commercial enterprises in the central Taichung region to promote employee participation in volunteer service
- The 10th anniversary since 2012.

Little Sunshine Volunteer Society

- Via volunteer activities, we not only want to consolidate our internal team spirit and tacit understanding, but to create harmonious corporate culture for Topkey.
- All 2022 activities to be implemented starting the 2nd half.

Donation of 30,000 COVID-19 rapid test kits

- Topkey donated \$4,500,000 NT dollars to purchase 30,000 COVID-19 rapid test kits for Taichung government.
- Topkey also made a large donation of good and money for the disadvantage people nearby the Taichung community.



拓凱集團助防疫 捐贈3萬劑快篩試劑給台中市政府

沈美幸 / 台北報導 2021.05.26



疫情日益嚴峻，拓凱集團今(26)日宣布，捐贈市價約450萬元，總計3萬劑Covid-19快篩試劑給台中市政府，協助抗疫，讓疫情調查更精準。

拓凱集團指出，中央疫情指揮中心25日宣布全國三級警戒延長至6月14日，全國抗疫行動持續。為了讓疫情更為明朗，台中市政府已在台中市內設立10處快篩站，提供有接觸史或與疫調足跡重複的民眾免費篩檢，每日可快篩2,000~3,000人。拓凱集團齊心抗疫，企業內部進行分流、分區辦公，並將必要會議改以視訊模式辦理。對外更是捐贈台中市政府價值約450萬元的快篩試劑30,000劑，協助穩定檢驗量能，以讓疫情調查與追蹤更加透明。

拓凱集團暨拓凱教育基金會董事長沈文振表示，企業除調整辦公、出勤的方式，降低傳染風險，更應思考對員工的照顧以及如何主動協助政府與民眾一同防疫，從預防、篩檢、治療照顧各個面向提供最即時的支援。他期許所有人能齊心合力，平安度過這波疫情。



2022 Tai-Chung corporate volunteer day



Donate NT\$1.5 million to the Department of Social Welfare



2022 攜手共善 · 永續同行



Donated to 22 social welfare organizations

TOPKEY FOUNDATION - Social Participation

Tai-Chung corporate volunteer day 2012~2021

2021/10/16 Charlotte Park

- 23 companies, 455 volunteers
- sent supplies to vulnerable household.

2020/12/12 Achievement sharing of Volunteer

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

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

TOPKEY FOUNDATION - TOPKEY thinking lecture hall & Mind spirit lecture



2021陳雅琳 《那些生命中的微光》



2020洪蘭 《什麼才是人生最值得的事》



2021林冠吟、張馨仁 《教室裡的科博館》



2020馬琇芬 《讓教室成為沒有邊界的舞台》

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