TSMC Charity Foundation

**Strategies**

**Take Care of Elder People**
- We co-work with some hospitals in northern, middle and southern Taiwan through the Networking of Love system, and provide various resources to support medical organizations to implement medical caring for low income elderly people who live alone.
- Serve 8,300 person-time elder people who live alone through the Networking of Love [2020]

**Care for the Disadvantages**
- We provide various resources to underprivileged groups through book reading, community and Fab/Division volunteers, to support underprivileged groups living and education. Meanwhile, we proactively pay attention to the needs of emergency assistance in Taiwan, and provide assistance in a timely manner.
- Invest at least NT$10 million for underprivileged groups every year [2020]
- Over 8,000 book reading service hours every year [2020]

**Protect the Environment**
- We provide environment protecting resources and knowledge through energy-saving, ecology and Fab/Division volunteers, and help schools save energies and promote knowledge of protecting environment.
- At least 1,000 person-time environment protecting related volunteers [2020]

**Promote Filial Piety**
- We co-work with the Ministry of Education, media and other companies to implement filial piety education at the national elementary schools, and initiate promotion activities. Meanwhile, we establish filial piety volunteers to lead the filial piety activities and share knowledge.
- Integrate filial piety volunteers and companies at the Science Park to promote filial piety education together at no less than 50 elementary schools [2020]

**TSMC 2020/2025 Goals**

- Achievements & Targets

**Our Business**

- Focus One: Ethical Management
- Focus Two: Innovation and Service
- Focus Three: Responsible Supply Chain
- Focus Four: Green Manufacturing
- Focus Five: Inclusive Workplace
- Focus Six: Common Good

**Sustainable Governance**

- Focus One: Ethical Management
- Focus Two: Innovation and Service
- Focus Three: Responsible Supply Chain
- Focus Four: Green Manufacturing
- Focus Five: Inclusive Workplace
- Focus Six: Common Good

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7,200 person-time
Elder people who lived alone served through the Networking of Love
Target: Serve 6,500 person-time

- Served 7,500 person-time elder people who live alone through the Networking of Love
- Co-worked with the Ministry of Education to successfully add filial piety education material to the education outline in October
- Completed filial piety teaching material and the demonstration teaching and publishing at the Wu Feng Feng Gu Elementary School

22,128 person-time
Book reading / Community / Fab and Division / Holiday volunteer services
Target: 20,000 person-time care for the disadvantages related volunteer services

- Invest at least NT$10 million for underprivileged groups
- Over 8,000 book reading service hours

1,134 person-time
Ecology / Energy-saving volunteer services
Target: 1,000 person-time care for the environment protecting related volunteer services

- At least 1,000 person-time environment protecting related volunteers
The charity that TSMC’s employees and I do is to feel people’s needs by thinking as we stand at the front line. We work together with love and wisdom, and we also send out our love to give more positivity and beauty in Taiwan society.

Sophie Chang
Chairperson, TSMC Charity Foundation

TSMC Formally Established TSMC Charity Foundation

TSMC established the TSMC volunteer program in 2004, and the program persists on the objective of “long-term commitment to chosen service themes”, encourages our employees to participate in volunteer programs with joy and wisdom, making contributions to the society by actions. In 2017, there were more than 24,000 person-time participated in TSMC’s volunteer program. To better integrate our resources and the volunteer services provided by our employees to bring a bigger influence to the society, TSMC formally established the TSMC Charity Foundation on the 14th June in 2017, led by Chairperson Sophie Chang. According to TSMC’s Corporate Social Responsibility Policy and UN Sustainable Development Goals, the TSMC Charity Foundation defined four key focuses: taking care of elder people, promoting filial piety, caring for the disadvantaged, and protecting the environment to create a better Taiwan Society.

TSMC Charity Foundation’s Four Focuses

- **Take Care of Elder People**
  - Provide caring and services through Networking of Love

- **Care for the Disadvantaged**
  - Promote and implement through the volunteer services program

- **Promote Filial Piety**
  - Co-work with the Ministry of Education to publish teaching material, train the teachers, and establish filial piety promotion volunteers

- **Protect the Environment**
  - Extend and strengthen the scope of ecology and energy-saving volunteers’ services
TSMC Charity Foundation Contribution

**Type of Contribution**
- **Unit: NT$**
  - Cash Contribution: 17.4%
  - In-kind Giving: 10.3%
  - Total Amount: NT$151,754,385
  - Time: 72.2%

**Type of Philanthropic Activities**
- **Unit: NT$**
  - Commercial Initiatives: 26.2%
  - Chantable Donations: 3.7%
  - Total Amount: NT$151,754,385
  - Community Investment: 70.1%

**Type of Philanthropic Focus**
- **Unit: NT$**
  - Promote Filial Piety: 7.6%
  - Protect the Environment: 6.1%
  - Take Care of Elders: 12.0%
  - Total Amount: NT$151,754,385
  - Care for the Disadvantaged: 74.3%

**Volunteer Head Count**
- **Unit: numbers**
  - 2013: 4,138
  - 2014: 5,451
  - 2015: 6,812
  - 2016: 7,838
  - 2017: 8,776

**Volunteer Person-time**
- **Unit: person-time**
  - 2013: 4,061
  - 2014: 7,379
  - 2015: 10,191
  - 2016: 16,570
  - 2017: 24,612

**Volunteer Service Man-hour**
- **Unit: man-hour**
  - 2013: 26,367
  - 2014: 39,390
  - 2015: 54,573
  - 2016: 93,623
  - 2017: 106,176

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**Note 1:** Classify all activities into cash contribution, time, and in-kind giving according to DJSI’s definition, and calculate the ratio of each category’s investment by monetary value.

**Note 2:** Classify all activities into charitable donation, community investment, and commercial initiatives according to DJSI’s definition, and calculate the ratio of each type’s investment by monetary value.
According to the data from the Ministry of Health and Welfare, Taiwan will soon become an aged society in 2018. The population of 65 years old and above will be over 14% of total population, an old age population dependency ratio that means four young adults will raise one older person and is still increasing. The needs of taking care of elder people who live alone is increasing, and it has become an urgent priority.

In 2017, several divisions and factories held projects regarding taking care of elder people who live alone. Nearly 1,000 employees donated over NT$1.5 million, and over 130 employees devoted nearly 700 service hours.

The TSMC Charity Foundation cooperates with external organizations to establish a Networking of Love system which connects several medical organizations in northern, middle and southern Taiwan. Through donating goods and money, helping medical organizations extend their scope of elders caring services and the number of elder people who have been served, to help elder people who lived alone have better prevention and treatment and promote mental health and well-being, meanwhile having safe, effective, quality and affordable essential medicines and medical services.

Built the highest altitude day-care center in Taiwan

8 Cooperated with 8 medical organizations

12 12 Networking of Love partners

7,200 Served 7,200 elder people who live alone

Over 8 Over 8 million Invested over NT$8 million

Our Major Achievements

Networking of Love

In 2017, we cooperated with 8 medical organizations, served over 7,200 elder people who live alone. Established the highest altitude day-care center in Taiwan in order to provide comprehensive medical services for elder people who live alone in remote areas. It also helps elder people increase well-being and delays aging from social connection support.

Continually supporting round visits in remote areas, in 2017, we donated a medical van for visiting rural areas to Doctor Yang-wei Kao who received a Medical Contribution Award, which assisted him to take care of elder people who live alone in remote areas.

We are dedicated to improve the equipment of exiting tribe day-care centers in remote areas. For example, we assigned professional employees to help local day-care center to build rehabilitation center in Mudan Township, Pindong County, and provided goods for living.

Spreading Love at Year End; Sending Warmth to Elders’ Home

In 2017, Fab 3, Fab 12A, Fab 12B, Fab 15A and Fab 15B all launched Year-end meals projects. A total of 416 employees donated more than NT$160,000. Year-end meals, Chinese New Year couplet, and red pockets had been passed to around 270 elder people who live alone. We also spent Chinese New Year eve with these elder people with joy, and learnt the importance of showing our love to elder people in a timely manner.

Hualien Mennonite Social Welfare Foundation — Depart with Meal-box with Love

In 2017, the TSMC Charity Foundation responded to the needs of Mennonite Social Welfare Foundation, donating NT$1 million through employee donation as the maintenance fee for delivery cars TSMC No.1 and TSMC No.2 which have already driven for more than 100,000 kilometers for delivering meal-box for elder people who live alone. Part of the donation was also used as the payment for meal-box delivery volunteers.

I can’t go out due to my foot pain, so I am so happy so many people come to visit me today.

Appreciation from the elderly Fab 15B, Hugging elders, love infinity, caring elders in Chinese New Year activity
Taiwan will soon become an aged society, and the resources needed for taking care of elder people who live alone are increasing. However, there is a limit in resources in the society, and taking care of elder people by non-family members is different from their own family members. We believe putting the responsibility of taking care of elder people back to their own families is the root. The data from the Ministry of Health and Welfare of Taiwan shows that the percentage of elder people who live with their children is decreasing in recent years, and the percentage of elder people who live alone is increasing. We believe there is still room for promoting the spirit of filial piety.

The TSMC Charity Foundation expects to promote filial piety culture in Taiwan's society by co-working with the government, all elementary schools in Taiwan and media, so the responsibility of taking care of elder people could be put back to each citizen. In 2017, we cooperated with the government actively, and expected to promote and revive filial piety in younger generation to increase the welfare of the society, and helped to solve social issues caused by aged society.

Filial piety was formally included in education outline of the Ministry of Education of Taiwan, and completed demonstration teaching. In July 2017, Chairwoman Sophie Chang gave a speech "the trigger of revival of filial piety" at the Division head conference of the Ministry of Education of Taiwan. We started co-working with the K-12 Education Administration under the Ministry of Education, added the education outline of filial piety in the education outline of the Ministry of Education, and completed demonstration teaching on December 21st at the Wufeng Feng Gu Elementary School.

In 2018, we plan to push the filial piety education outline to all the elementary schools in Taiwan, and combine the strength of TSMC filial piety volunteers and at least 8 companies to implement filial piety education at 20 elementary schools together, and build the foundation of the spirit of filial piety from the childhood.

The TSMC Charity Foundation proactively co-works with the government, media and schools to push filial piety education outline, and our employees also actively support it. In 2017, there were 191 volunteer person-times devoted 844 hours to promote filial piety.

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Introduction of Four Focuses and Main Achievements

What We Want to Solve

According to the data from the Fiscal Information Agency under the Ministry of Finance of Taiwan, the economic inequality in Taiwan has no tendency to decrease in recent years, and this gap is also present between cities and countryside. The gap of average income of a family between richest and poorest city almost doubled. Education resource and learning result could be different due to the differences of economic situation and the gap between cities and countryside, and the shortage of education resource would bring more negative impact for the society, which is an urgent and important issue.

How We Respond and Act

We focus on “caring for underprivileged groups’ living” and “caring for underprivileged groups’ education” which are mentioned in TSMC’s Corporate Social Responsibility Policy. The TSMC Charity Foundation works with our divisions and factories, actively paying attention to underprivileged groups. We visited every underprivileged group in needs personally to understand their actual needs, and held a series of activities such as donating money and goods, charity buying and donation, volunteer services, construction services and emergency aid, to help underprivileged groups improve their economic and education environment.

Our Major Achievements

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volunteer person-time</td>
<td>22,128</td>
</tr>
<tr>
<td>Volunteer service hours</td>
<td>92,206</td>
</tr>
<tr>
<td>Invested nearly NTS30 million</td>
<td>nearly 30 million</td>
</tr>
<tr>
<td>Over 24,000 people benefited</td>
<td>over 24,000</td>
</tr>
</tbody>
</table>

What We Have Done

Community Volunteer

Community volunteers regularly visit Veterans Home and Children’s center to accompany elder people and children. We connect elder people and children through gathering parties and activities, and around 800 person-time community volunteers provided over 5,000 service hours in 2017. In October 2017, Fab 8 volunteers invited students from the St. Francis Xavier House for Girls and the elderly from the Hsinchu Veterans Home to the Window on China Theme Park, and arranged the students to perform arhu fiddle on the stage, making them more confident through the performance while the veterans could have a joyful day.

Book Reading Volunteer

Book reading volunteers provide book reading, English reading and math teaching services regularly for the elementary schools in rural areas in Hsinchu, Taichung and Tainan. In 2017, around 1,300 person-time book reading volunteers provided over 6,000 service hours. In 2017, 294 students in the Yuandong Elementary School of Chutung Township benefited from English reading services. Around 600 students received one on one math teaching services. 90% of the students in the class caught up the study progress after more than 1,500 math teaching hours.

Dear TSMC teacher,

Thank you for your effort and devotion, and for teaching us with the happiest smile every time, thank you!

Students from English reading services provided by Legal organization
**Care for the Disadvantaged**

### Other Project Based Activities

**Love Supply Chain — Create One Supply Chain, Achieve Triple Win**

In 2017, Fab 15A connected the underprivileged product producers in the upstream, group buying of TSMC employees in the midstream, and underprivileged people who need the goods in the downstream, to create a brand new triple win charity model. In 2017, our employees purchased nearly 3,000 cabbages and over 100,000 bananas, and donated them to 8 charity foundations and nearly 9,000 families.

**Chiayi Shuishang Chuanai Afterschool Reconstruction — Turning the Hope of Future**

Miss. Que-Dai Shu-wei established the Chiayi Shuishang Chuanai afterschool 17 years ago, taking care of nearly 50 low-income and underprivileged students in elementary and junior high schools. She believes the education of children is the foundation of reducing social issues.

In August 2017, TSMC launched a fundraising event on the internal i-Charity platform, and raised nearly NT$6 million within 3 days. Then 300mm TB and 300mm FB helped the afterschool re-construct its classrooms, expanded the room and environment quality, giving the students a better learning environment.

**Repairing Services**

TSMC has professional factory service employees and repairing volunteers with passions, who help disaster affected households and underprivileged people to repair their home. Several repairing projects were launched in 2017. For example, 753 employees from BTSD donated more than NT$1.3 million and over 1,200 volunteer hours to help repair the Jin-hu elementary school, and renovated the hardware and school building which were eroded by the sea wind.
300mm TB started the adventure of program design for the children of St. Joseph after school in Wufeng, Taichung. The children experience program design through games, and build up confidence through actual practices. The students also joined a competition with the games designs by themselves, which aroused unlimited possibility for their future.

Quality & Reliability volunteers have been accompanying the children of Hsinchu Ren Ai Children’s home for a long time, helping them develop a professional skill and build up economic basis from assisting them to make and sell hand-made soaps from nothing.

The Manufacturing Technology Center initiated painting project for the Holy Family for Special Education, and helped them become excellent grade from good grade of the government’s evaluation system. It was also the first time they received excellent level in 30 years since they established. Every employees in the Holy Family for Special Education received extra 2% pay raise by the government founding, also increased other funding percentage. These helped the organization to operate and take care of the residents better.

200mm TB volunteers invited children from the Meihua elementary school of Hsinchu county to one-day science camp at the National Tsing Hua University. These children experienced dry ice innovated experiment DIY and extremely low temperature, and felt the wonder world of subzero 196 degrees Celsius.

The Product Development organization launched a fundraising for the 2017 Silver Grass Cultural and Creativity Association Summer Tour, which performed stage drama “the stories are gone” at 25 rural elementary schools. It is aimed to promote education through drama, connect people with arts, land and society, and create opportunities for rural children to experience the first drama in their life.

Fab 3 volunteers hold a graduation ceremony for the children of the Sheng-shin kindergarten in Wufong township, Hsinchu county. We prepared lunch boxes, tableware, meal bags, thermos bottles, and the 10 graduates who were going to go to elementary schools have best wishes from teachers, volunteers and children.

Human Resources volunteers helped Ms. Peng, the owner of San Wan pear garden, to pick pears and promoted and sold the pears in our Company. They helped Mr. Peng who live in poverty to maintain her income, and our staff also created joy memories when helping people!
Climate change has become a global issue, and it is an urgent priority to increase the public awareness of protecting environment.

The TSMC Charity Foundation spreads the knowledge of environment protection. We expect to increase citizen’s awareness of protecting environment by:

1. helping schools improve their energy utility by TSMC professional energy-saving volunteers;
2. promoting environment protection spirit through ecology volunteers;
3. other project based activities.

**Our Major Achievements**

- **Energy-saving Volunteer**
  - The "energy-saving volunteer team" gathered engineers who have energy saving and professional safety knowledge to actively go to schools in rural areas to implement water saving, energy saving and safety checks, helping every level of schools to evaluate and improve their energy utility, to prevent and slow down climate change. In 2017, around 170 person-times energy-saving volunteers provided 1,050 hours energy-saving check services, and provided professional evaluation report and improvements for schools for further reference for future actions. Fab 6 energy-saving volunteers have provided 25 times services since they were founded, helped the schools to build a safer learning environment.

- **Ecology Volunteer**
  - TSMC kept certain area for ecology engineering when we built the factories, created an environment with ecological diversity to achieve the goal of protecting ecology environment. Meantime, we established ecology volunteers, provided rural students to reserve ecology tour and taught them green knowledge. In 2017, around 964 person-times ecology volunteers provided over 4,800 hours ecology tour for at least 9,776 person-times students.
Tasks of 2018

- Initiate two Ministry of Health and Welfare’s hospitals to start intelligence home care research and possible action plan
- Build up TSMC filial piety volunteer team
- Encourage more employees to participate in volunteer activities

Protect the Environment

Other Project Based Activities

Earth Day

On Earth Day on the 22nd April, TSMC co-worked with the Environment Protection Administration of Taiwan to clean up the beaches. A total of 181 employees and their family members devoted nearly 800 hours cleaning up the beaches at the Hsinchu Yonggan Fishing Port, the Xinfeng Mangrove and the Tainan Anping Beach. The awareness of protecting environment was also been awake when protecting the earth.

Tainan Jacana Sanctuary

Tainan Guantian Jacana Sanctuary water chestnut field is the habitat of Jacana. TSMC provides four services every year. In 2017, the habitat field for Jacana was nearly dried because the water well was broken and not able to provide water due to poor maintenance for years. After personally visiting the Jacana Sanctuary by TSMC professional volunteers, we donated around NT$470,000 for repairing the water well, and we expect the water well digging to be completed in early 2018.

A Trip of Eco-friendly Farming

Fab 12A volunteers led students of the Nei Wan elementary school to experience farming, personally experienced how much effort a farmer make when farming, to introspect the environmental impact of mountain reclamation, and further grew the awareness of protecting environment in their mind.

TSMC Museum of Innovation and the Power House

Fab 2 and Fab 5 volunteers led children to visit the TSMC Museum of Innovation and the Power House. Along with the climate change board games provided by the Hsinchu County Environment Protection Bureau, children have better understanding on the contribution of semiconductor industry for the society. They also realize a small action/decision could have an impact on climate changing of the world through the board games.

Tour Volunteer

TSMC believes that sharing technology knowledge is one of the important ways to contribute to the society. Except the four key focuses, we hope the knowledge of semiconductor can be known widely by the public, making technology easier to understand. Currently there are volunteers providing tour services in the Taichung National Science and Technology Museum and TSMC’s Museum of Innovation in Hsinchu. In 2017, 1,350 person-times tour volunteers provided over 8,100 service hours.