



# SUSTAINABILITY: VISION FOR THE FUTURE



*Partners for Pollution Prevention*  
**Quarterly Meeting**

*December 13<sup>th</sup>, 2022*

# AGENDA



## Toyota Industries (TICO)

- ▶ Introduction
- ▶ TICO Vision 2030
- ▶ Environmental Action Plan

## Toyota Material Handling

- ▶ Environment
- ▶ People
- ▶ Sustainability Report

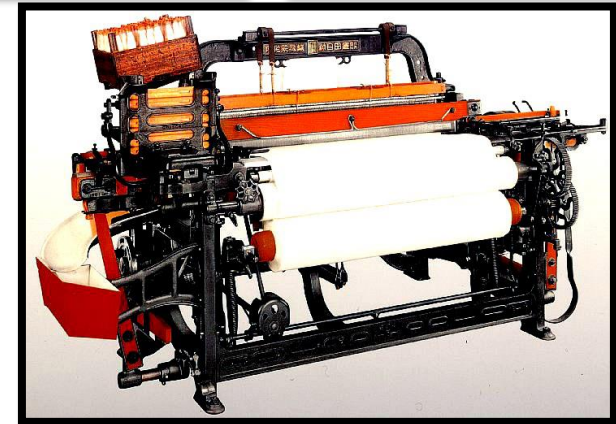


# TOYOTA INDUSTRIES CORPORATION (TICO)

2030 Vision and CSR material issues

# INTRODUCTION

- ▶ Toyota Industries Corporation (TICO) was established in 1926 to manufacture and sell the Type G automatic loom invented by founder Sakichi Toyoda.
- ▶ Since then, TICO has taken on challenges and entered into new business domains including automobiles, materials handling equipment and logistics.



# INTRODUCTION

- ▶ What has consistently supported us throughout TICO's history is our Founding Spirit, namely the Toyoda Precepts (Corporate Creed).

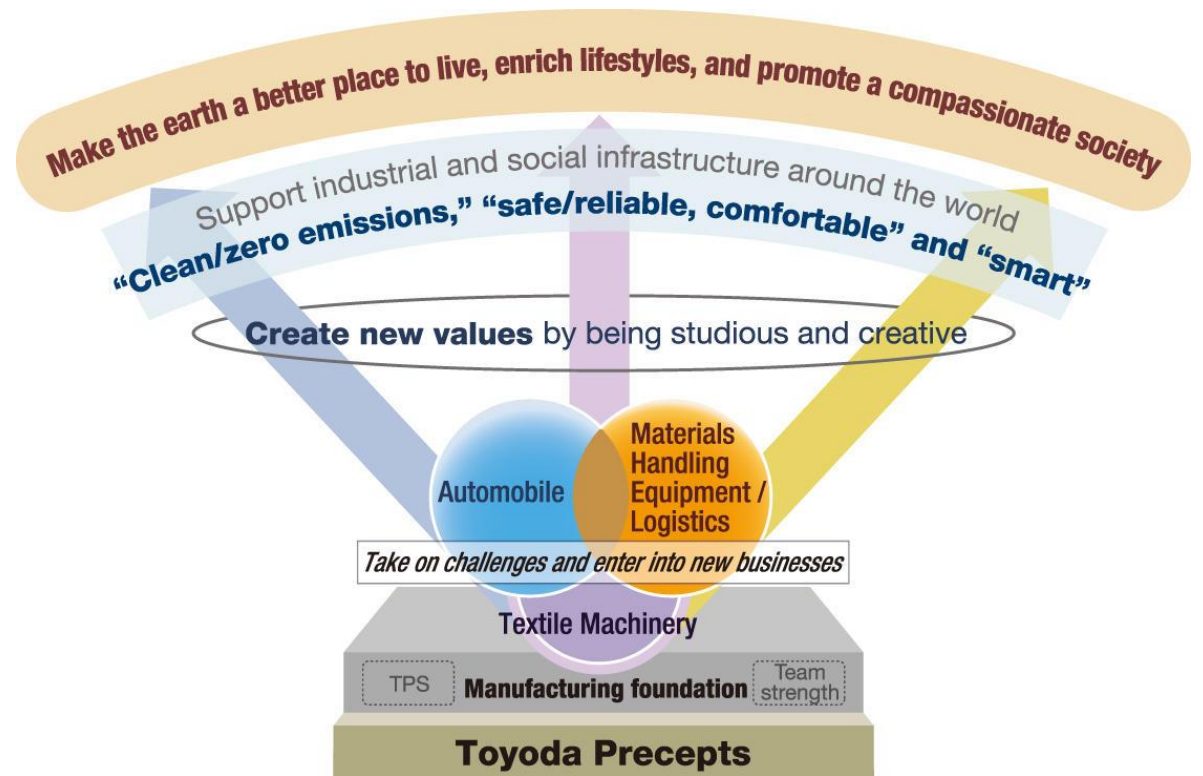
## **Toyoda Precepts (Corporate Creed)**

- Always be faithful to your duties, thereby contributing to the Company and to the overall good.
- Always be studious and creative, striving to stay ahead of the times.
- Always be practical and avoid frivolousness.
- Always strive to build a homelike atmosphere at work that is warm and friendly.
- Always have respect for God, and remember to be grateful at all times.

- ▶ The Toyoda Precepts will always remain as the cornerstone of our business operations.

# TICO VISION 2030

- ▶ The TICO Group is determined to take on challenges to create new value that anticipates customer needs for zero emission, security and safety, etc.
- ▶ The TICO Group will thereby support industrial and social infrastructure around the world; the **TICO Group will help make the earth a better place to live, enrich lifestyles, and promote a compassionate society.**





# 9 PRIORITY ISSUES

	CSR Materiality	SDGs to contribute
Resolving Social Issues through our Business	<ul style="list-style-type: none"> <li>■ Mitigation of Global Warming</li> <li>■ Contribution to Circular Economy</li> </ul>	    
	<ul style="list-style-type: none"> <li>■ Creation of Innovative Values</li> </ul>	  
	<ul style="list-style-type: none"> <li>■ Products and Services which contribute to Safety, Security and Comfort</li> <li>■ Mutual Prosperity through Partnerships with Local Communities</li> </ul>	  
Foundation Supporting our Business Operations	<ul style="list-style-type: none"> <li>■ Safe and Healthy Environments</li> <li>■ Leveraging Diversity and Inclusion</li> <li>■ Sustainable Procurement</li> <li>■ Compliance and Risk Management</li> </ul>	

# ENVIRONMENT



- ▶ TICO Environmental Action Plan – 4 pillars
  - ❖ Carbon Neutrality
  - ❖ Resource Conservation and Recycling
  - ❖ Harmony with Nature
  - ❖ Environmental Management and Awareness

## TICO Group 2050 Vision and 7th Environmental Action Plan

Toyota Industries Group will promote four pillars stated in the "Global Environmental Commitment":

- (1) Establishing a carbon neutral society
- (2) Establishing a recycling-based society
- (3) Reducing environmental risks, and establishing a society in harmony with nature
- (4) Promoting the environmental management

2020

2021~  
7th Environmental  
Action Plan

2025

2030

2035

2040

2045

We will accelerate environmental initiatives  
with aiming at ideal society in 2050

2050  
Vision

- ★ Establishing a carbon neutral society → Globally challenging for zero CO<sub>2</sub> emissions society
- ★ Establishing a recycling-based society → Challenging for minimum use of resources
- ★ Reducing environmental risks, and establishing a society in harmony with nature → Making positive influence to biodiversity
- ★ Promoting the environmental management → Promoting enhancement of consolidated management and raising awareness activities



# TOYOTA MATERIAL HANDLING

Sustainability at Work

# ENVIRONMENT

Promoting the 4 pillars of the TICO Global Environmental Commitment

**TICO Environmental Action Plan. The four pillars are:**



**ESTABLISHING A CARBON NEUTRAL SOCIETY**  
Globally take on challenge of establishing a zero CO2 emission society



**ESTABLISHING A RECYCLING-BASED SOCIETY**  
Take on challenge of minimizing the use of resources



**PROMOTING ENVIRONMENTAL MANAGEMENT**  
Enhance consolidated environmental management and promote enlightenment activities



**REDUCING ENVIRONMENTAL RISKS, AND ESTABLISHING A SOCIETY IN HARMONY WITH NATURE**  
Generate positive influence on biodiversity

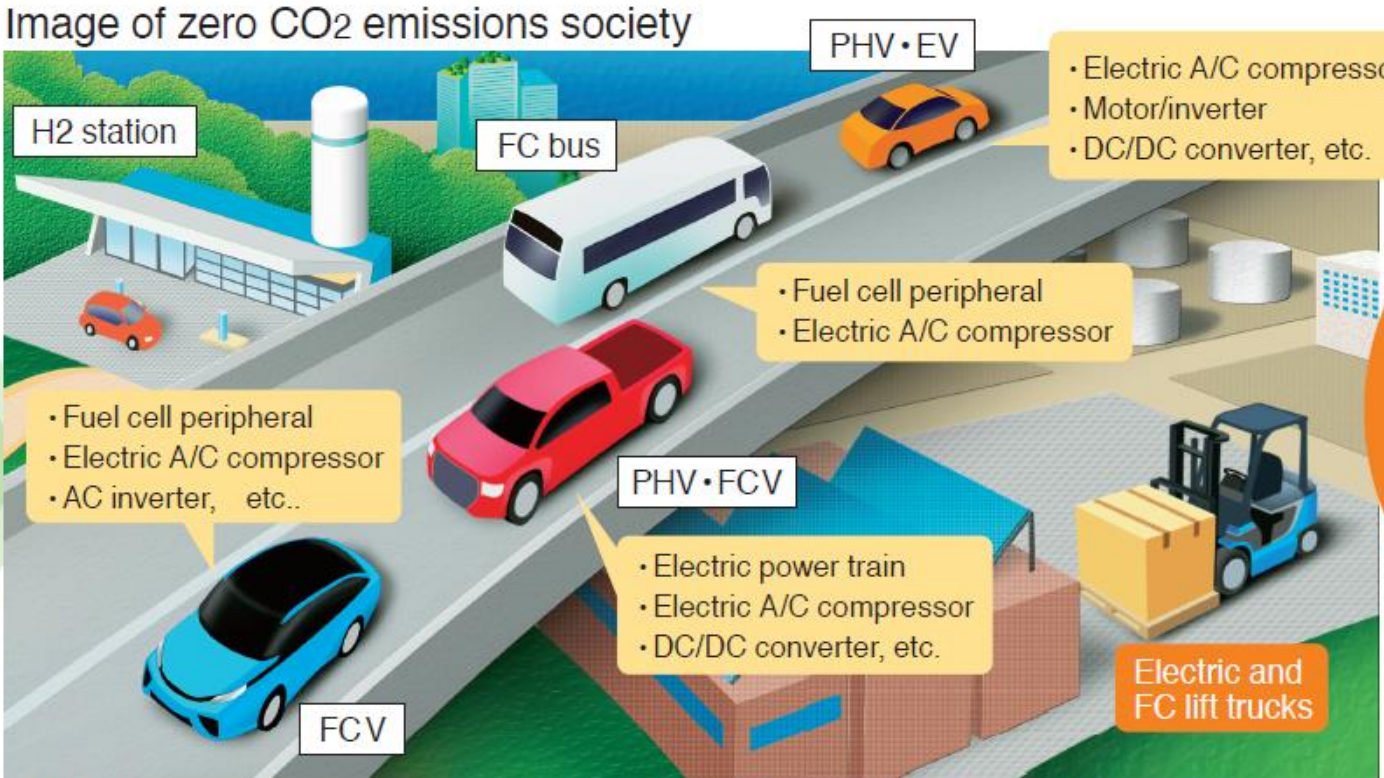
# TICO Group 2050 Vision and 7th Environmental Action Plan

## Pillar – Carbon Neutrality

### Products



- 7th Environmental Action Plan**
- Develop technologies that contributes further energy efficiency
  - Develop technologies that supports producing electrical products
  - Develop technologies for a hydrogen-society



*2050 Vision*

Challenging for zero CO2 emissions when using our products or vehicles equipped with our products

**Bridging each Division's technologies to realize zero CO2 emissions society**

# ELECTRIC PRODUCT LINEUP



[Click here for video](#)



# TICO Group 2050 Vision and 7th Environmental Action Plan

## Pillar – Carbon Neutrality

### ★ Establishing a carbon neutral society



### Production



#### 7th Environmental Action Plan

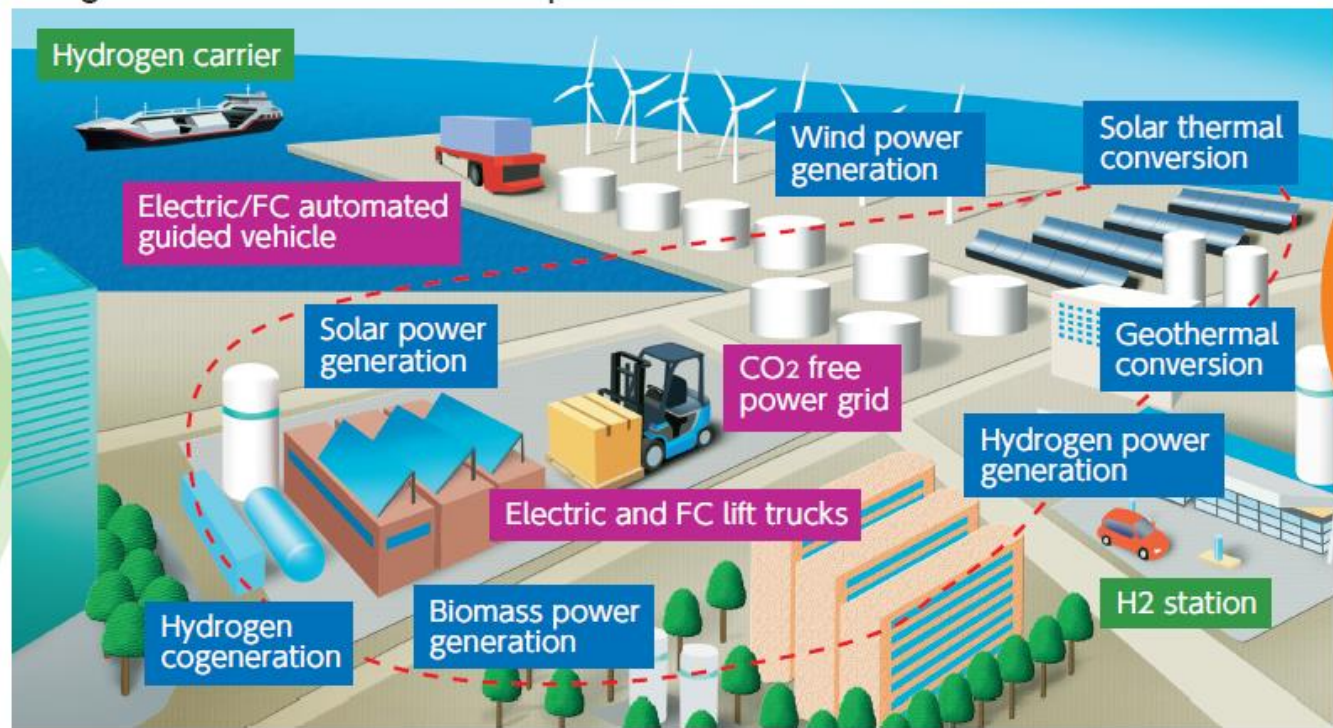
- Develop/introduce technologies that reduce CO2 emissions in production cycle
- Thoroughly implement daily improvement activities
- Actively introduce clean energy

#### FYE2026 target

CO2 emissions <Global>  
**25% reduction** (compared with FYE 2014)

Renewable electricity ratio <Global>  
**15%**

Image of zero CO2 emissions plant



*2050 Vision*  
 Challenging for zero CO2 emissions from plant by minimizing energy use and utilizing renewable energy and hydrogen

**We will challenge for zero CO2 emissions from Plant with best mixture of energy**

# CO<sub>2</sub> REDUCTION PROJECTS

## AIR LEAK DETECTION

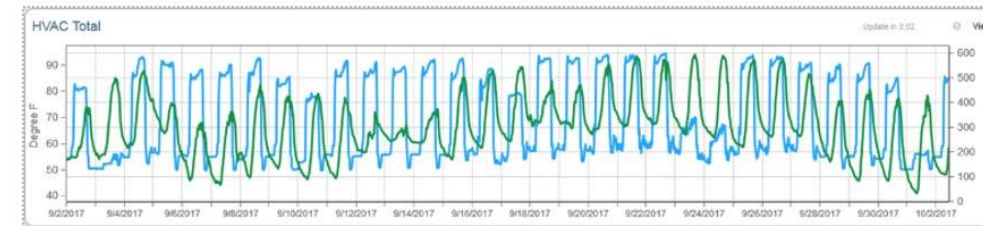


*Images from fluke.com*

## WELD FUME COLLECTION



## POWER & GAS MONITORING





# TICO Group 2050 Vision and 7th Environmental Action Plan

## Pillar – Resource Conservation and Recycling

### ★ Establishing a recycling-based society



#### Waste



**2050 Vision**  
Challenging for minimum use of resources

#### 7th Environmental Action Plan

- Implement measures against emission source, such as improvements in yield

#### FYE2026 target

Waste emission intensity <TICO> **12% reduction** (compared with FYE 2014)

#### Water



**2050 Vision**  
Challenging for minimum environmental burden for water resources



#### 7th Environmental Action Plan

- Promote water conservation activities that take into account the water environment conditions in each country and region

# WASTE & RECYCLING

TMH has been landfill free for over 18 years. We have sent zero waste material to a landfill for over 17 years.



500 tons of waste is diverted from landfills annually, enough to fill up five full swimming pools.



TMH promotes recycling within our plant. We recycle numerous materials, such as:



**PAPER**



**SCRAP METAL**



**CARDBOARD**



**PLASTIC**



**WOOD**



**ALUMINUM**

On average, we send over 5,500 metric tons of material to be recycled/reused annually, a savings in greenhouse gas emissions equivalent to 540,275 gallons of diesel gasoline consumed.

# TICO Group 2050 Vision and 7th Environmental Action Plan

## Pillar – **Harmony with Nature**

★ **Reducing environmental risks, and establishing a society in harmony with nature**



2050 Vision  
Making positive influence to biodiversity



### 7th Environmental Action Plan

- Contribute to the preservation of local biodiversity by utilizing the characteristics of each site

# GREEN THEME OF THE MONTH



## GREEN THEME *of the month*



- ▶ Launched in 2021 to help educate our associates about the importance of the environment both at work and at home.
- ▶ The topics of each month are focused on environmental observances and world day campaigns.
- ▶ The goal is to raise awareness about TMH corporate sustainability efforts and why they matter and how our associates can help carry the load both at work and at home.



# COMMUNITY ENGAGEMENT



# TICO Group 2050 Vision and 7th Environmental Action Plan

## Pillar – Environmental Management and Awareness

### ★ Promoting the environmental management



#### Raising Awareness Initiatives

- Raise employees' knowledge and awareness and encourage them to act on their voluntary actions to realize the TICO Group Global Environment Commitment

#### Group-wide Environmental Management

- Comply with environment related laws and regulations of each country and region
- Prevention of adverse environmental impact by strengthening risk reduction activities
- Achieve the top level performance in each country and region



# ENVIRONMENTAL MANAGEMENT

ISO 14001 – certified since 1999

2021- Received Governor's Award for Environmental Excellence

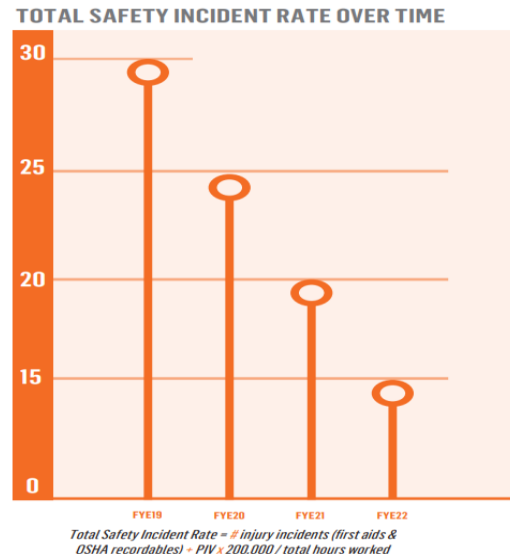


# PEOPLE

Safety, Diversity & Inclusion, and Community Involvement

# ASSOCIATE SAFETY

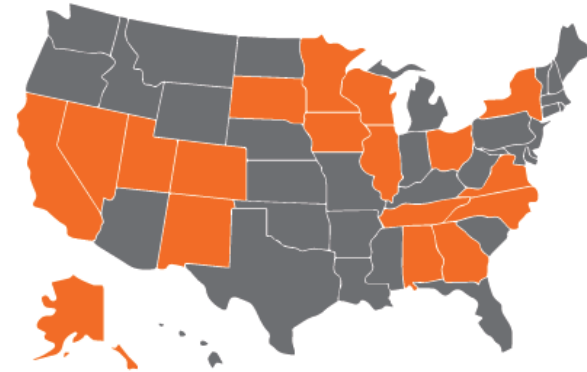
- ▶ 2022 – Governor’s Workplace Safety Award



- ▶ Partnership with ATI Worksite Solutions
- ▶ Collaborative Weekly Safety Audits
- ▶ Monthly Safety / Environmental Training
- ▶ Associate Safety Committee
- ▶ Safety DOJO / PIV DOJO / Learning Lab
- ▶ Monthly Safety Theme

# DIVERSITY & INCLUSION

- ▶ Diversity – Dealers & Suppliers
  - ▶ 22% of TMH's 64 dealer organizations are diversity owned or classified as small businesses, spanning across the country.
  - ▶ \$24,000,000 of our total supplier spend went to minority-owned businesses
  - ▶ 213 suppliers doing business with TMH are minority-owned
- ▶ Toyota Women's Impact Network – T-WIN
  - ▶ Through its leadership structure, educational opportunities, and networking events, T-WIN provides resources for growth, development, and inclusion for all Associates at Toyota Material Handling.



**T-WIN**  
Toyota Women's Impact Network



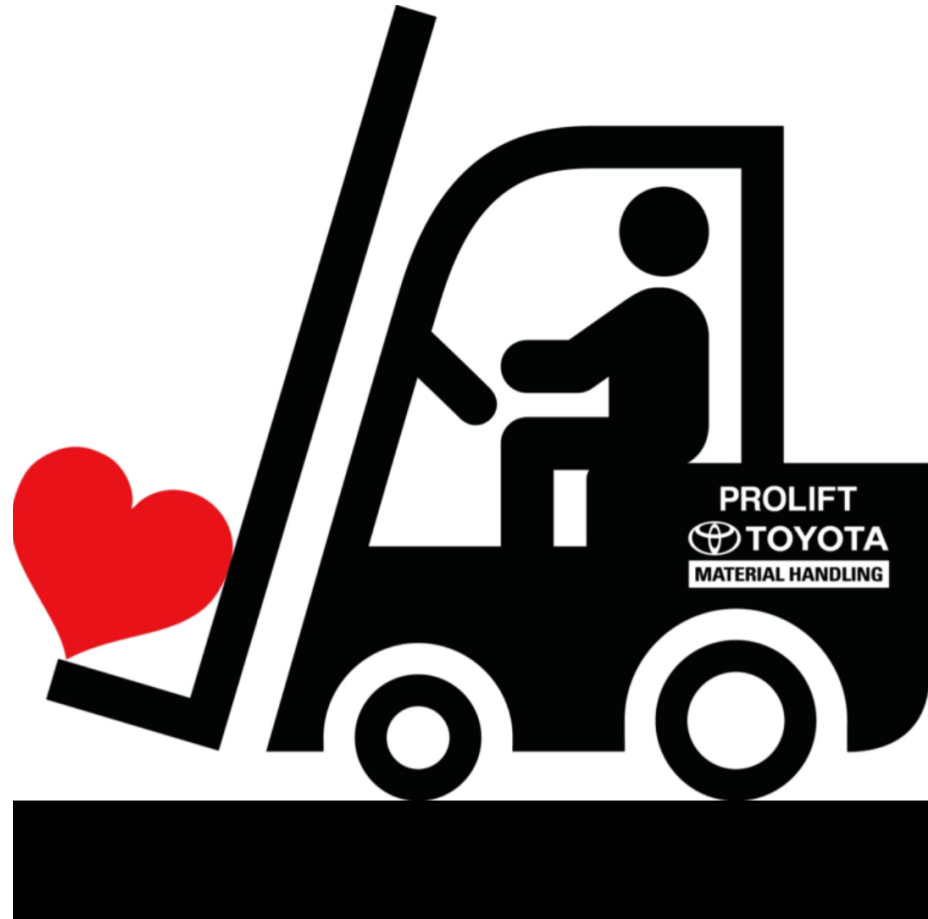
# SOCIAL RESPONSIBILITY

- ▶ **Community Service**
  - Lift the Community Day
  - Community Partnerships
    - American Red Cross
    - United Way
    - Anchor House
- ▶ **Philanthropy**



# SOCIAL RESPONSIBILITY

“ Toyota’s partnership with the American Red Cross has focused on our company’s core purpose:  
**Helping People Carry The Load.** ”



- ▶ In 2018, Toyota Material Handling partnered with the American Red Cross
  - Disaster Action Team volunteers trained
  - Red Cross warehouse volunteers training in forklift safety & operation
  - blood drives
  - Response to natural disasters
  - 24 Toyota dealers engaged
  - Equipment units dispatched
  - Installing smoke alarms
  - Home fire prevention education
  - Financial support



# SUSTAINABILITY REPORT

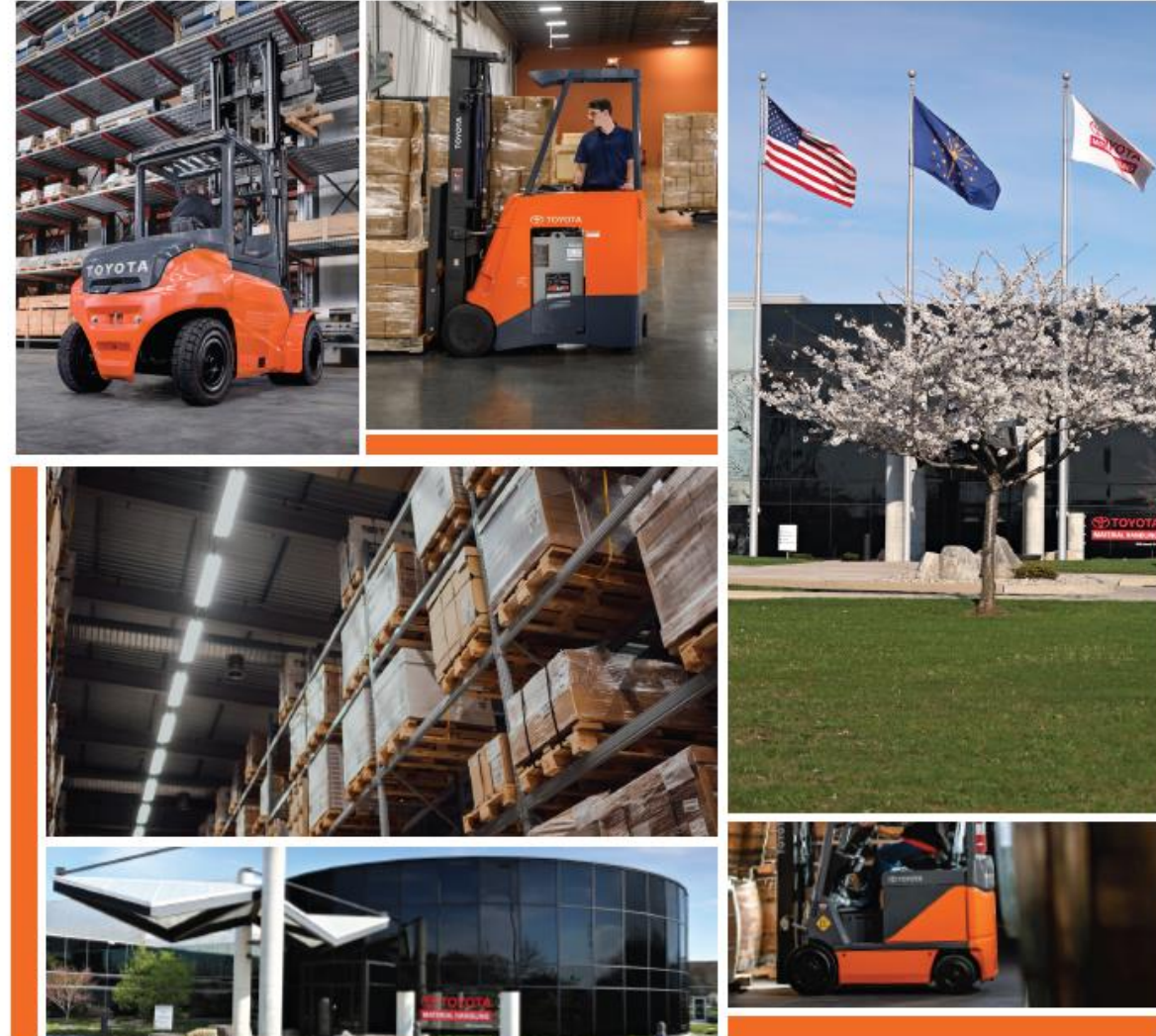
- ▶ Annual Report
- ▶ First edition 2022

Access the report at:

[ToyotaForklift.com](https://ToyotaForklift.com)

## 2022 SUSTAINABILITY REPORT

Toyota Material Handling



**QUESTIONS?**



**MATERIAL HANDLING**