

### **Toyota Approach to Environmental Improvement**

**Presented 10/20/23 (CARES NA 2023)** 



Liesa Bednar **Group Manager** Toyota Paint PE

### **Toyota Approach to Carbon Neutrality – Industry Background**

All companies face competing interests when considering environmental projects:



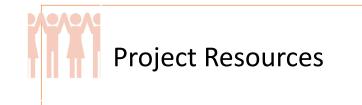
Environmental
Benefit and Global
Citizenship



Customer Expectation



Product / Equipment Expansion



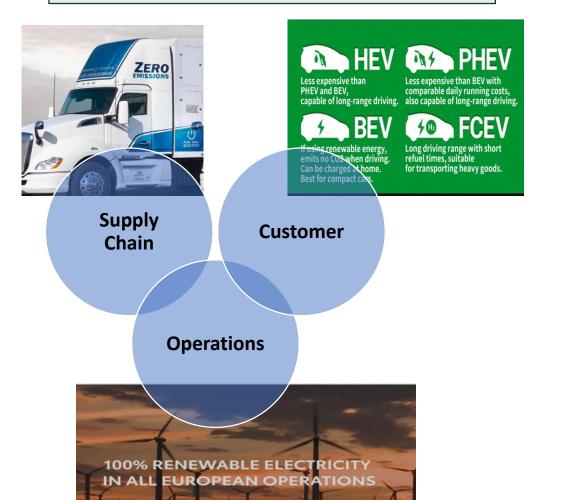




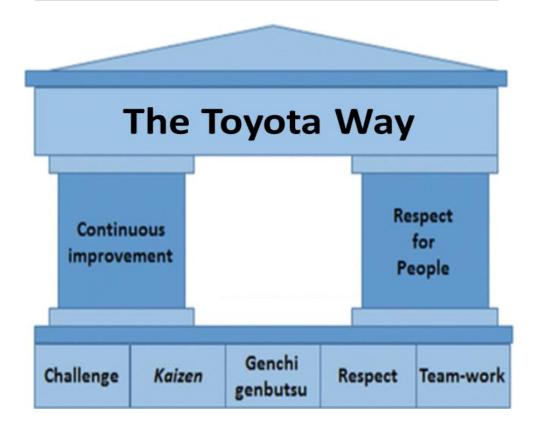
How to achieve Environmental benefit in the best way for society, customer, and company?

### **Toyota Approach to Carbon Neutrality – The Toyota Way**

Toyota full company effort to sustainability.

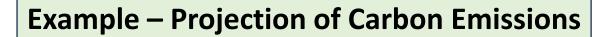


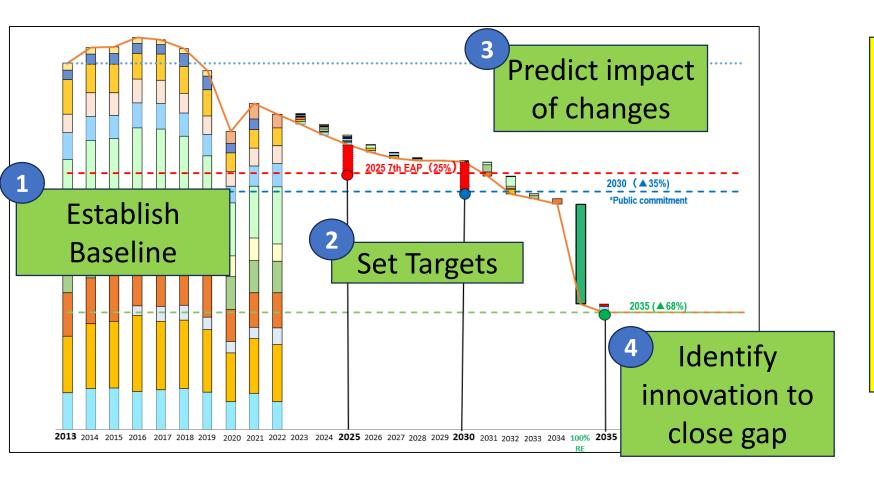
What approach does Toyota use for environmental improvement?

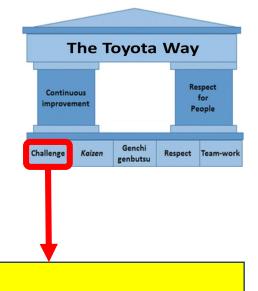


**The Toyota Way!** 

# Toyota Approach to Carbon Neutrality – The Toyota Way (Challenge)





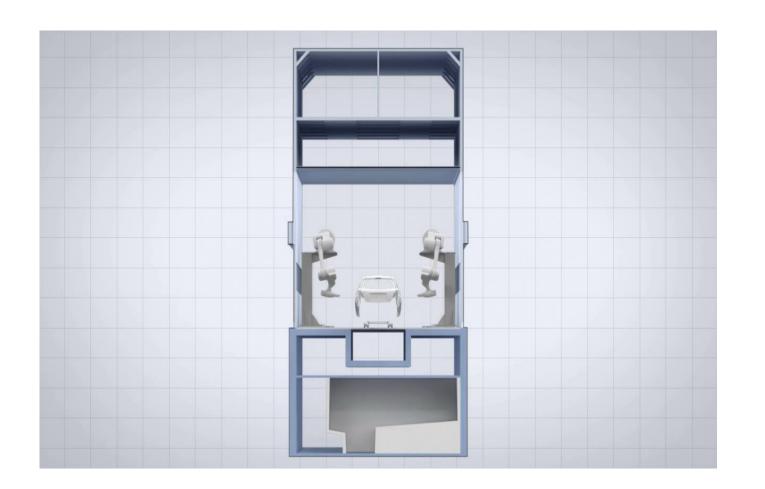


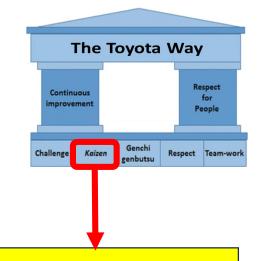
### **Challenge**

- Challenge the norm
- Set ambitious, measurable target
- Measure progress to target, and update plan to achieve

# Toyota Approach to Carbon Neutrality – The Toyota Way (Kaizen)

**Example – Paint booth innovation (Green Field)** 





## Kaizen (Innovation)

 Innovative development from conventional Booth

-Height : **▲**40%

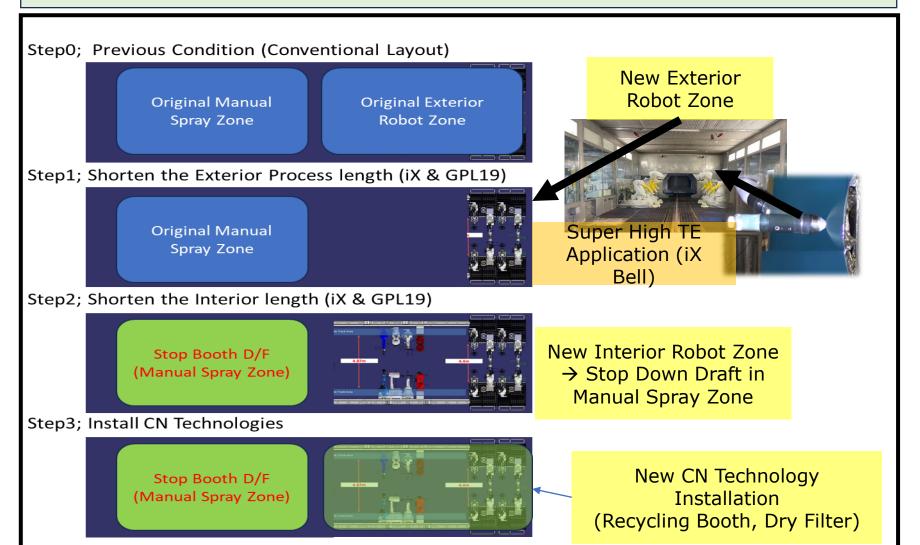
-Length : **▲75**%

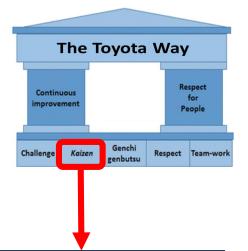
-Capacity : ▲90%

-Reduce 70% CO2

# Toyota Approach to Carbon Neutrality – The Toyota Way (Kaizen)

### **Example – Paint booth improvement (Brown Field)**





### <u>Kaizen</u> (Improvement)

- Continuous improvement
- Don't just "reduce impact" but "add value"

## Toyota Approach to Carbon Neutrality – The Toyota Way (Genchi Genbutsu)

### Respect Team-work

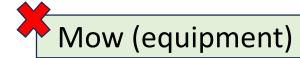
**The Toyota Way** 

### **Example – West Virginia Plant Solar Field**





How to care for area around solar field?



 Goats → Damage to solar panels!

Adopt sheep → Perfect solution!

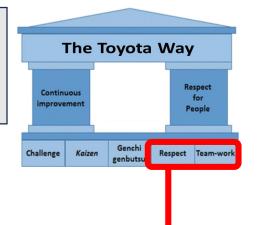




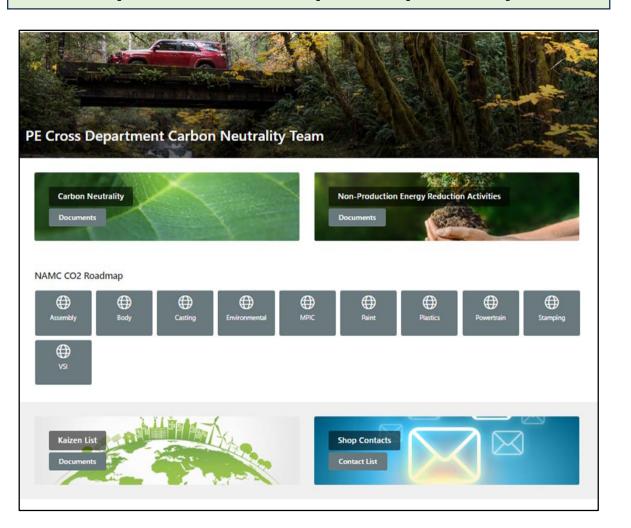
### **Genchi Genbutsu**

- "Go and See"
- **Understand the real** problem in the real location
- It's ok to learn one step at a time

# Toyota Approach to Carbon Neutrality – The Toyota Way (Respect & Teamwork)



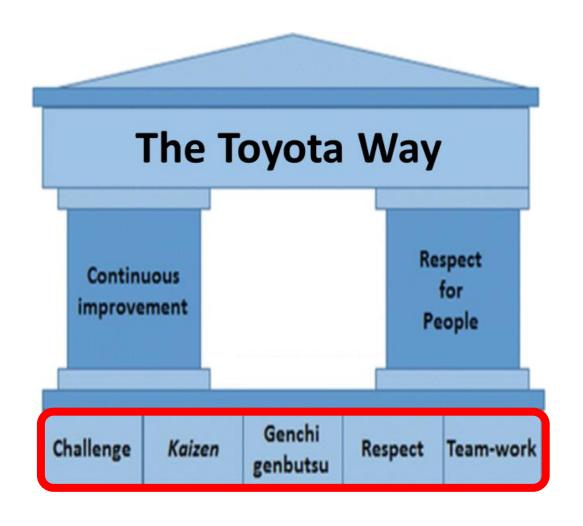
### **Example – Cross Shop Group Sharepoint**



### **Respect & Teamwork**

- Work together across shops and business units – be intentional.
- Create resources to allow easy sharing of information and best practices

### **Toyota Approach to Carbon Neutrality – The Toyota Way!**



To achieve environmental improvement, stay true to core values—
The Toyota Way

"We can, We will!"

## **Toyota Approach to Carbon Neutrality – The Toyota Way!**

## **Thank you! Questions?**

