

# TOYOTA MOTOR EUROPE

## AI IN SUPPLY CHAIN BETWEEN HYPE AND REALITY

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*VICE PRESIDENT SUPPLY CHAIN*



**TOYOTA**

# WHO IS SUPPLY CHAIN

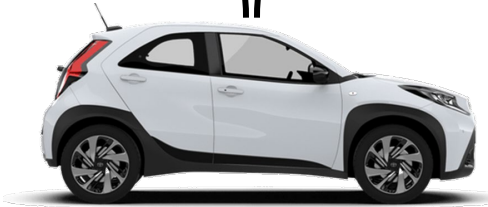
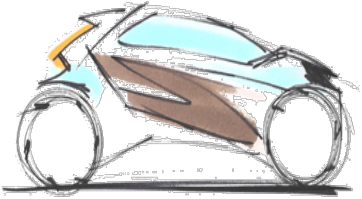
## FROM CONCEPT TO CUSTOMER

・PUBLIC 公開

On-Time,  
In-Time,  
Every-Time

### PLAN FOR TOMORROW

### SUPPLY TODAY



Strategic  
Planning

Business  
Reform

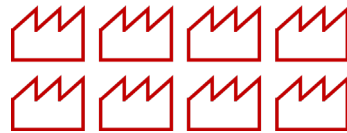
Production  
Planning

Production  
Parts  
Logistics

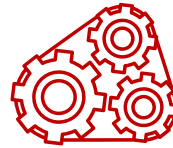
Plant

Vehicle  
Logistics

Service Parts  
Logistics



*8 European  
production plants!*



*Deliver 260 Parts  
every second*



*Delivery 1 car  
every 6 seconds*



*Deliver 14 Parts  
every seconds*

# MILLIONS OF RECORDS NOW... BILLIONS TOMORROW

TOYOTA

# SUPPLY CHAIN 2035

・PUBLIC 公開

**On-Time,  
In-Time,  
Every-Time**

SUPPLY OUR CUSTOMER DEMAND  
**ON-TIME, IN-TIME, EVERY-TIME**



**NETWORK**



**DIGITALISATION**



**GREEN FUTURE**



**PEOPLE**



**PARTNERS**

**OUR TOYOTA FUNDAMENTALS**

**TOYOTA**

# DE-MYSTIFY **AI**

・PUBLIC 公開

**On-Time,  
In-Time,  
Every-Time**

## HYPE

VS.

## REALITY



FORECASTING



INVENTORY MANAGEMENT



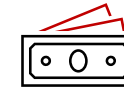
REAL TIME TRACKING

...

**ENDLESS USE CASES?**



NEEDED TIME



NEEDED COST



MEASURABLE ROI?

**TO WHAT PROBLEM?**

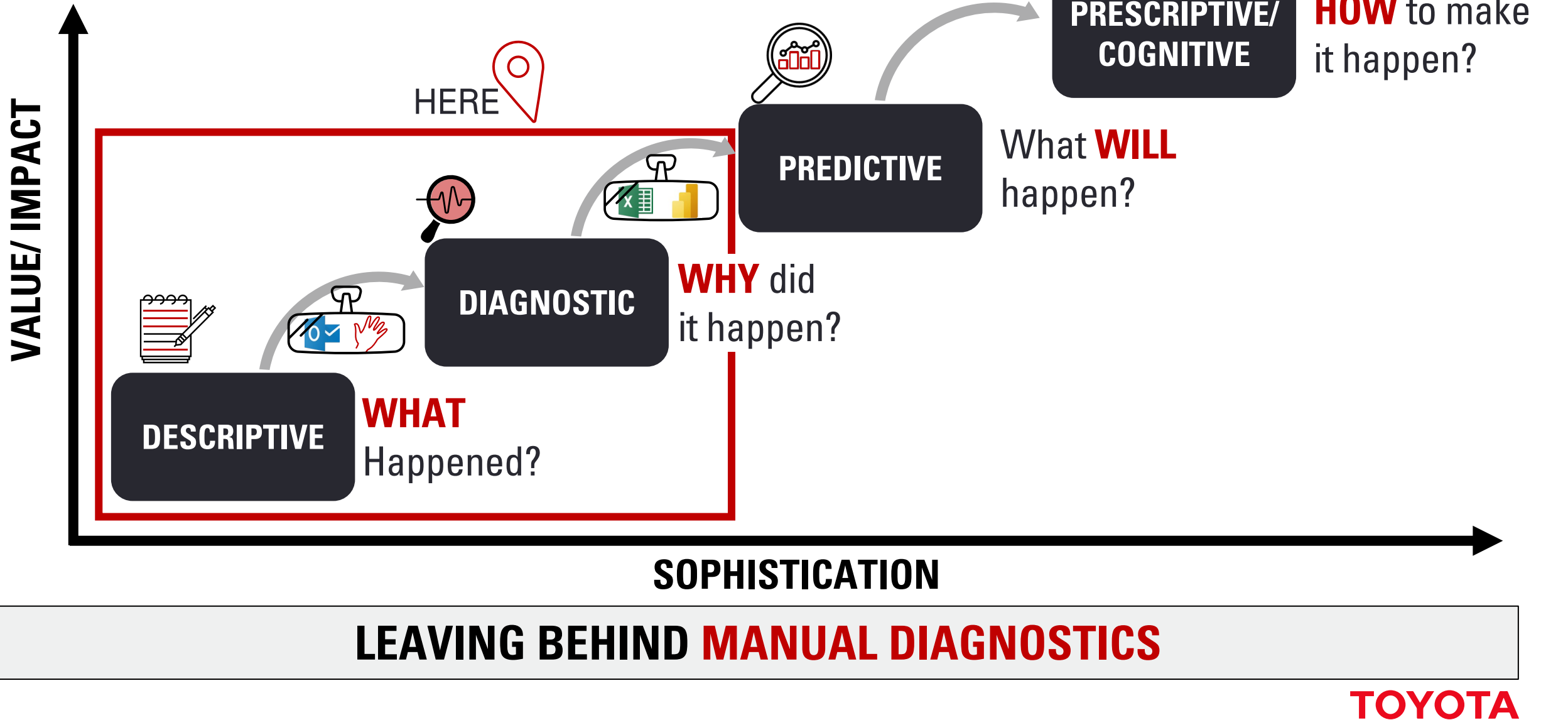


**AI IN SUPPLY CHAIN, WHAT DOES IT MEAN?**

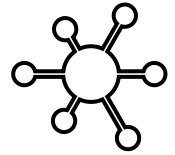
**TOYOTA**

# WHERE ARE WE?

・ PUBLIC 公開



# INITIATIVES



## NETWORK & PLANNING

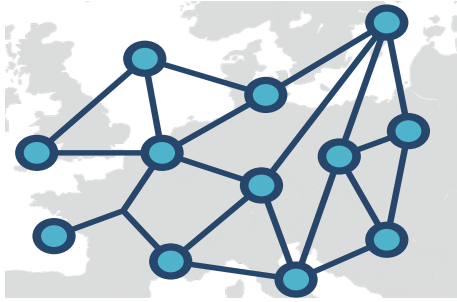


## TRACK & INSPECT

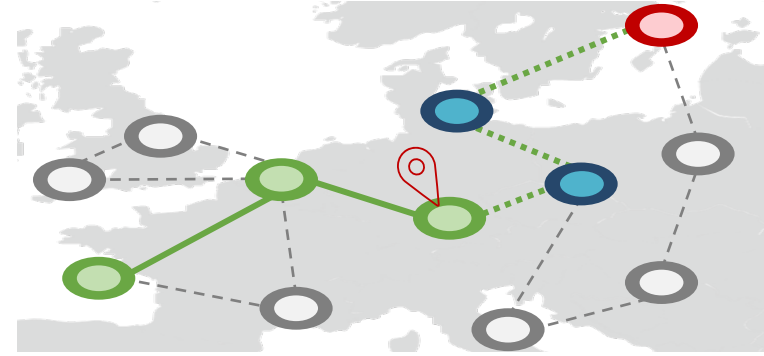
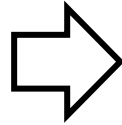
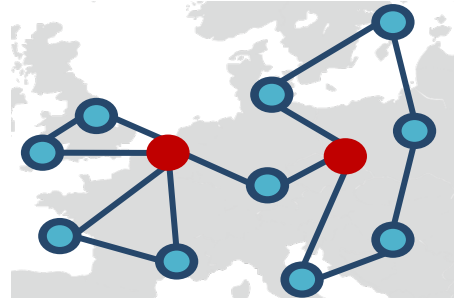


On-Time,  
In-Time,  
Every-Time

INPUT

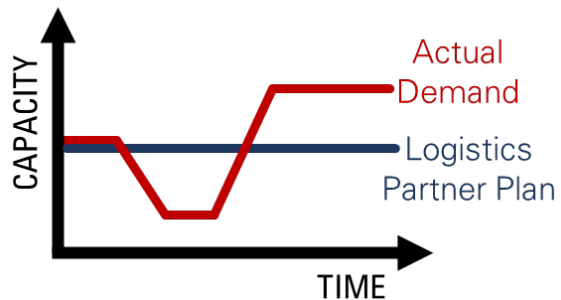


SIMULATION

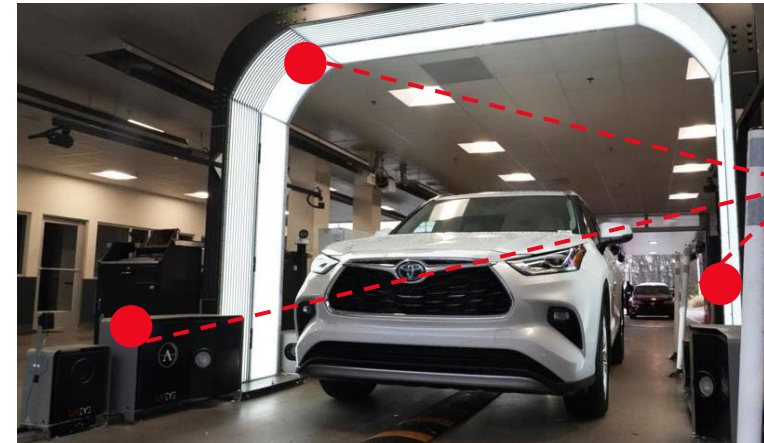
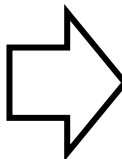
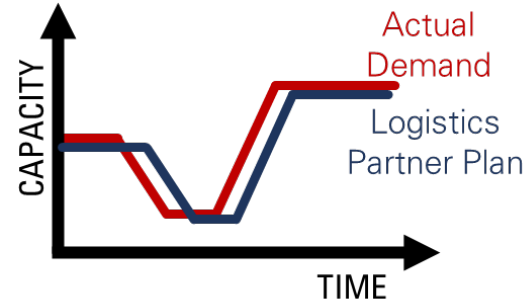


REAL TIME  
TRACKING

Fixed Period Planning



Proactive Planning



Automated  
**full** vehicle  
inspection

COLLABORATION AND DATA SHARING **IS FUNDAMENTAL**

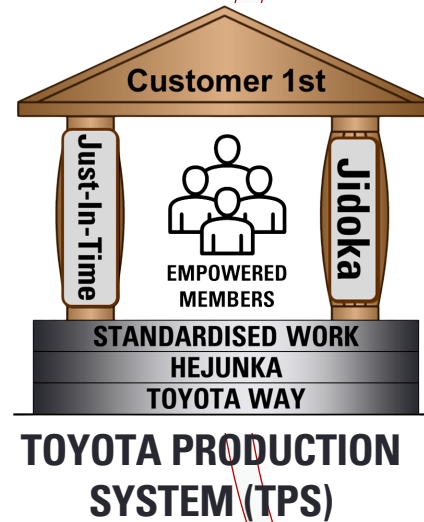
**TOYOTA**

# MEMBER DEVELOPMENT

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On-Time,  
In-Time,  
Every-Time

**FROM:**  
**Automation in ONE DAY**  
Solution Creation



**TO:**  
**Digital Quality Circle**  
Member Development



7<sup>th</sup> Circle



**ENHANCE DIGITALISATION - PRESERVE TPS AT OUR CORE**

**TOYOTA**



**On-Time,  
In-Time,  
Every-Time**

**SUPPLY OUR CUSTOMER DEMAND**  
**ON-TIME, IN-TIME, EVERY-TIME**



**NETWORK**



**DIGITALISATION**



**GREEN FUTURE**



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**OUR TOYOTA FUNDAMENTALS**

**THANK YOU!**



**PLEASE JOIN OUR  
FIRESIDE EXCHANGE**

**TOYOTA**