# **Business Strategy Briefing**

## TOYO's Digital Transformation : Challenging six-fold productivity and sustained value creation

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## **Toyo Engineering Corporation**

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### **Today's Agenda**

- 1. Background to DX Innovation and Value Creation
- 2. The Challenge of Sixfold Productivity: Expanding DX Strategies and Projected Profit Growth
- 3. Tangible Results:

**Concrete Examples and Returns Achieved** 

4. Future Outlook:

Growing Profit Opportunities and Sustainable Growth

5. Summary

#### DX in the Mid-Term Management Plan 2021-2025

By improving productivity in the EPC domain, we enhance our competitive advantage, create high-value-added projects, and increase profitability. Allocating resources to development enables us to pursue sustainable value creation.



Enhancing the TOYO Group's productivity to strengthen profitability while allocating resources to develop new technologies and businesses, thereby establishing a foundation for future revenue growth.



The expected values are based on the following assumptions as of the end of March 2026 : DX development progress at 50%, applicability to proposal projects at 75%, and harvesting rate at 50%.



#### **Expanding the Business Domains of DX Application**







#### The Challenge of Sixfold Productivity Increase





 Considering the potential contribution of DX application for each project to improving order gross profit and reducing resource demand (The expected values are based on the following assumptions as of the end of March 2026 : DX development progress at 50%, applicability to proposal projects at 75%, and harvesting rate at 50%.)

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#### Please watch the video from the following link

https://youtu.be/KUoEkJ8My0s

3. Tangible Results: Concrete Examples and Returns Achieved

Building value creation processes and mechanisms to achieve sustainable growth through business transformation and digitalization





As of the end of November 2024 (compared to the fiscal year 2020)

ΓΟΥΟ

#### Identifying and Eliminating Execution Risks Strengthening risk management through optimization of the planning process and developing an optimal plan for shortening the construction period.







Stable Value Creation through High-Precision Project Execution and Management

Enhanced "risk detection capabilities" and "response capabilities" achieved through precise planning and advanced risk management.



#### Digital Twin for Realizing the Plant Life Cycle

Starting with enhancing added value in EPC, we provide high-quality design data and equipment information. We realize efficient maintenance planning and rapid troubleshooting, contributing to customer growth and the achievement of a sustainable society.



#### Value Multiplication Through the Integration of EPC and O&M Data



With DX-PLANT<sup>™</sup>, we enable real-time performance monitoring and anomaly detection, enhancing plant performance. By offering services that support the entire life cycle, we establish long-term partnerships with our customers.





#### **Expanding Business Domains Leveraging DX Application**

By applying DX, we are building a high-value-added model that integrates human resources and digital technologies. This enables entry into new markets and diversification of our portfolio, driving sustainable growth.





#### **Business Portfolio Management Using Digital Twin for Management**

For a diversifying business portfolio, we developed a Corporate Management Cockpit (CMC) which enables agile, data-driven planning optimization, enhancing profitability, risk management, and investment efficiency.



#### Example of Using CMC Data: Optimizing Execution Plans for Strategic Options

We have created a system to optimize execution plans for each strategic option based on different policies, while simulating and comparing KGI and KPI. (Exploring optimal execution plans backward from KGI and KPI).

Option 1 Growth-Oriented for New Areas An option focused on reducing resource allocation to core businesses after meeting the profit target for the current year, prioritizing the exploration of new areas.

Option 2

**Profit-Focused** 

An option focused on investing resources in core businesses to secure profit plans for the next year and the year after, with a degree of certainty established within the current year. (Resources are locked for multiple years.)

\* Evaluating Combinations of Businesses and Projects for Resource Allocation(An astronomical number of combination patterns exists.)



#### Leadership and People



Corporate

**Strengthening Support Through a Globally Selected Team** 





**Business Portfolio Transformation and Global Governance** 



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5. Summary

#### Value-Added Model of "People + DX Assets" Leverage



A value-added model that leverages DX assets to unlock the potential of our people and enhance value creation. By going beyond existing business domains, it aims to seize new growth opportunities and strengthen sustainable competitive advantages.



#### **Reaping the Benefits of DX**

Since FY2022, DX application has achieved tangible improvements in quality and productivity. From FY2023 onwards, further expansion in project application and outcomes is expected, aiming to achieve the Mid-Term Management Plan targets.



Considering the potential contributions of DX Application per project to improving Order Gross Profit and reducing resource demand (The expected values are based on the following assumptions as of the end of March 2026 : DX development progress at 50%, applicability to proposal projects at 75%, and harvesting rate at 50%.)



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The forecasts given above are based on information available at the time of compilation and are inherently subject to a variety of risks and uncertainties. Actual results may vary significantly from forecasts due to factors including, but not limited to, changes in the economic or business environment and exchange rate fluctuations.