



AGENDA



Part 1 – Company Overview (5 mins)

Part 2 – Supply Chain Management Project (15 mins)

Part 3 – Q&A (30 mins)

Part 1

Company Overview



**ELECTRIFYING
YOUR WORLD**



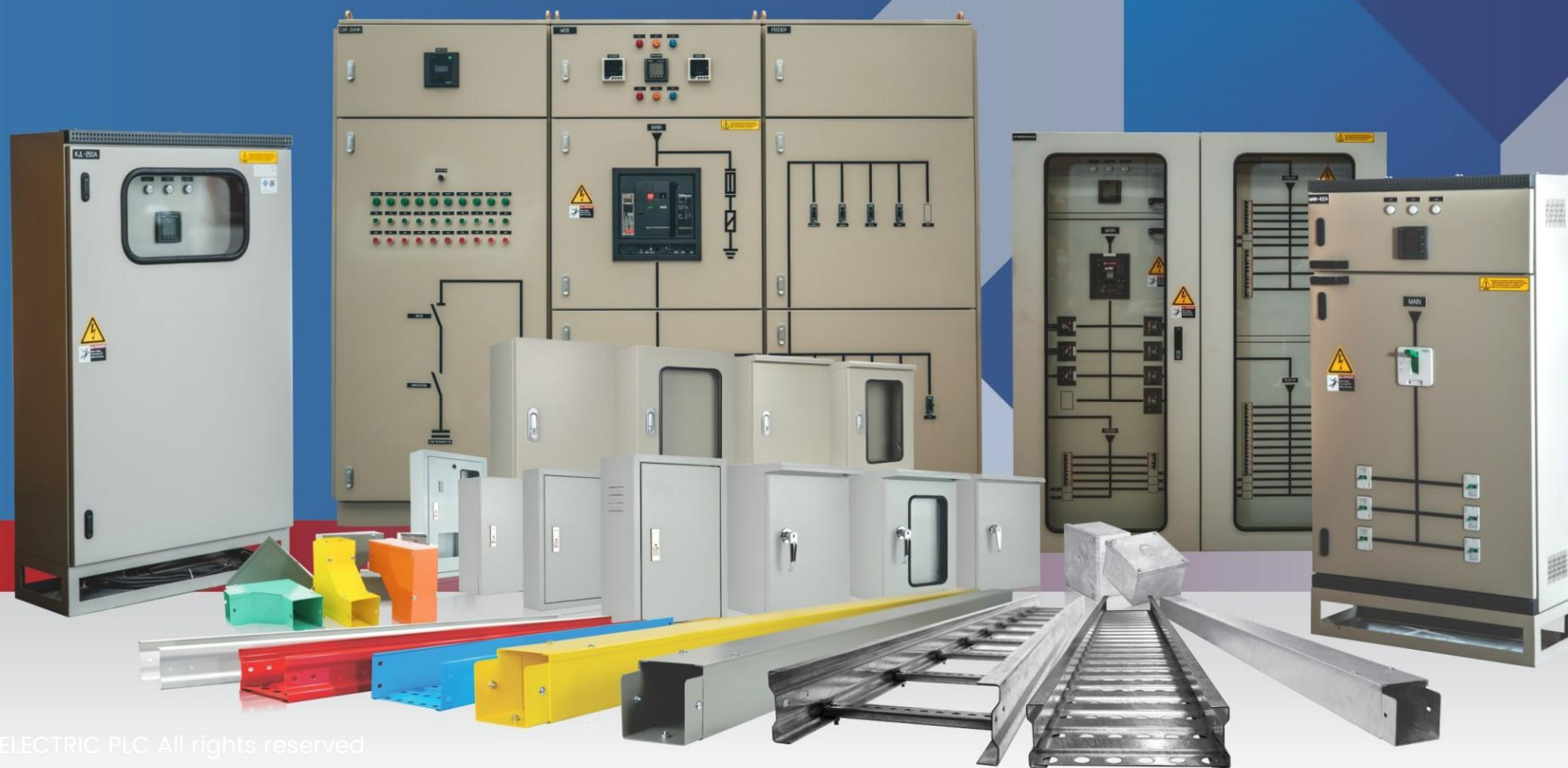
ตู้ไฟ รางไฟ เคเจแอล

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Japan Technology
ジャパンテクノロジー
เทคโนโลยีจากญี่ปุ่น



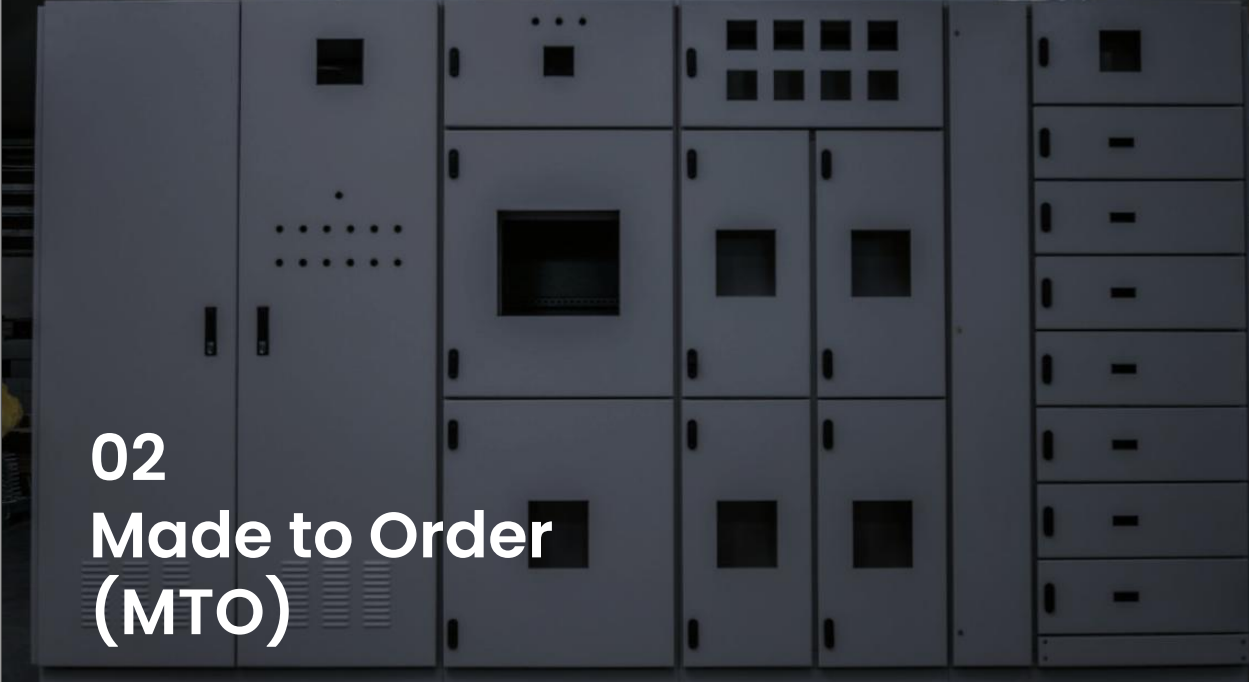
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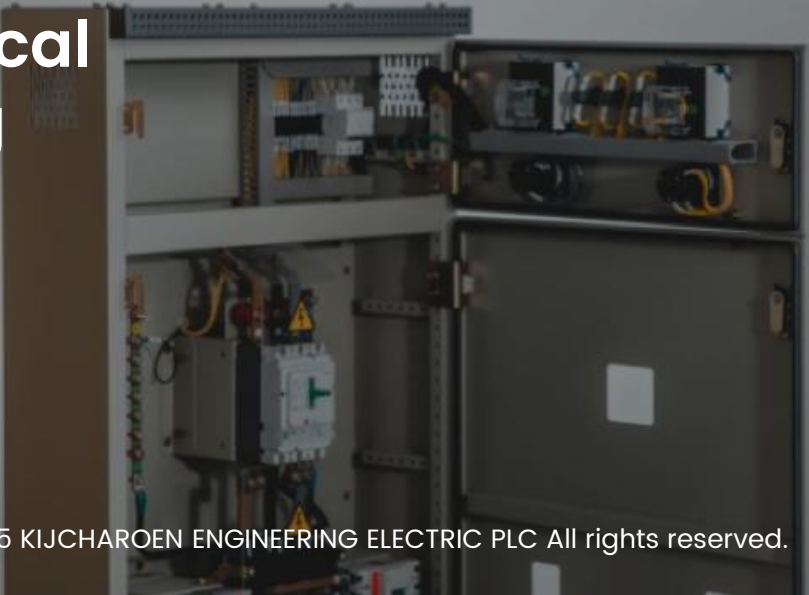
01
KJL
Standard



02
Made to Order
(MTO)



03
Electrical
Wiring



04
Customized Sheet
Metal Works



KJL Everywhere (Electrical Industry Business Scope)



Energy & Utilities

- EGAT
- Power Plant
- PEA
- MEA

Electrical Production



Electrical Transmission & Distribution



Electrical Usage

Infrastructure
(Mega Project)

Industry Use

Home Use



Infrastructure &
Transportation



IT &
Communication



Commerce &
Services



Industrial
Factory



Agriculture
Industry



Medical &
Healthcare



Real
Estates

“KJL Everywhere” เราอยู่ทุกที่มีไฟฟ้า

KJL is foundation of Electrical System in Wide-Range Industry Across Everyone's Daily Life

Part 2

Supply Chain Management Project

Project Background and Objectives

From Life Cycle Assessment (LCA) to Collaborative Supply Chain Innovation

Pain Points Identified Through Life Cycle Assessment (LCA)

● Resource Loss from Steel Scrap

High scrap volume from cutting process, increasing cost and waste.

● Powder Coating Dust from the Open Painting System

Dust loss from open painting impacts efficiency, environment, and health.



Solution: Reuse Scrap Project

- Co-develop solutions with key partners
- Develop Steel Cutting + Closed-loop Powder Coating technology
- Improve raw material quality for new production processes
- Maximize machine and material efficiency

OBJECTIVE

Reduce Waste

Reduce steel scrap & powder coating waste

Increase Productivity

Improve production cycle efficiency

Grow Together with Partners

Scale Innovations into Commercial Opportunities

Circular Economy

Transform Waste into Resources, Creating Sustainable Value

Better Together for Sustainable Growth 2030

TARGETS

- Reduce non-hazardous waste 5% annually
- Reduce hazardous waste 5% annually
- Materials usage ratio (metal & power coating) >80%

Resue Scrap Project

2021-2027

2021 & Annually



2021-2022



2022-2025



2022-2027



Annually



1. Conduct LCA Assessment

To identify production pain points and initiate improvement projects

- Conduct LCA assessments annually
- Identify pain points within production processes
- Identify improvement actions
- Develop the Reuse Scrap Project concept

2. Engagement for Innovation

Engage employees and suppliers to identify solutions

- Reach out to target suppliers
- Exchange ideas with suppliers
- Innovation/technology sharing from suppliers
- Conduct employee workshops to identify solutions

3. Co-development for Solutions

Initiate partnerships with key suppliers regarding identified solutions

- 2 Key solutions identified & implemented
- Machine improvements (Metal cutting technology & nesting software)
- Close-loop color coating (cyclone system, dust filter)

4. Products Enhancement

Apply change throughout the production and material sourcing

- Review client feedback
- Update product design and raw material requirements to align with newly applied solutions
 - Metal sheet size
 - Color power quality
- Update production planning e.g. schedule color coating process from light to dark colors

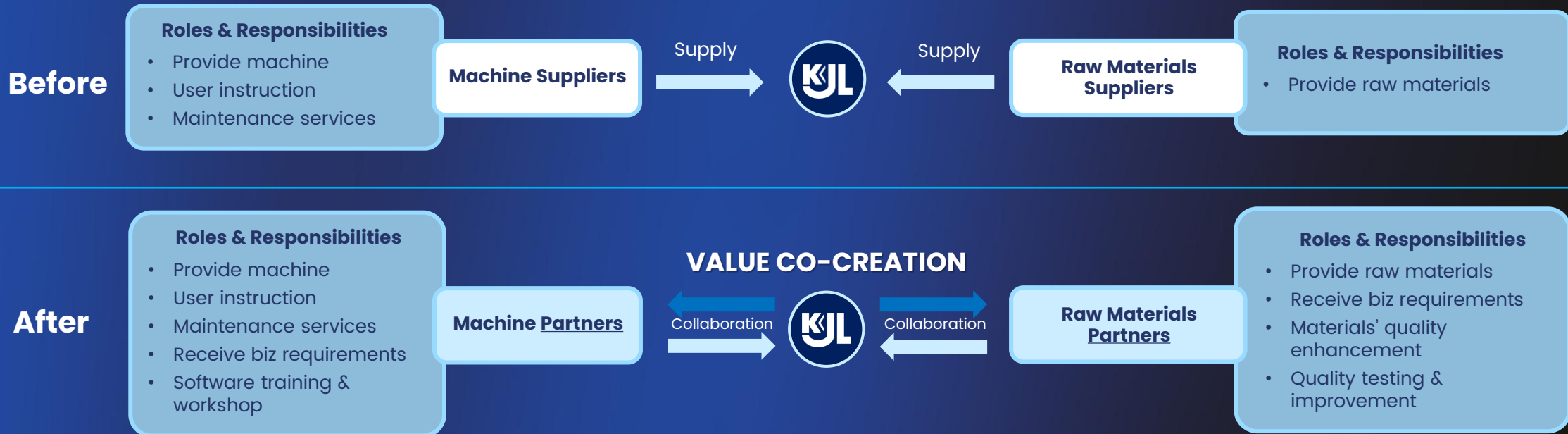
5. Monitoring for Improvement

To identify potential gaps and improvement opportunities within production

- Product testing
- Integration into full-scale production
- Collect data and monitor results for additional improvement
- Continue collecting feedback from suppliers, employee, and clients

Collaboration with Partners

Uplift long-term relationship between KJL & key Critical tier 1 suppliers toward value creation via reuse scrap project



Motivation/Benefit of Participating

1

Elevate Their Role to Strategic Partner

From Transactional Suppliers to Innovation Partners through Co-development, Building Trust and Long-term Business Stability

2

Commercialize and Scale Innovations

Partners can leverage co-developed solutions to generate new revenue streams, expand into new markets, and create added value for their products.

Roles and Responsibilities

Partners' Roles

Supplier as Co-developer

- Co-develop key production technologies — steel nesting software, steel cutting systems, and closed-loop powder coating systems
- Enhance raw material standards to align with new technologies, maximizing resource efficiency
- Transfer knowledge and innovations into practical applications, strengthening KJL's employee and organizational capabilities

Value Co-creation

Strategic partnership through analysis, prototype design, and trial testing

- **Develop Machinery Technology;** to reduce steel scrap waste
- **Design a Closed-Loop Powder Coating System;** to reduce powder coating loss and airborne dust
- **Update Raw Material Standards;** adjust steel sheet dimensions and enhance powder coating quality to align with upgraded machinery
- **Drive Continuous Improvement;** through trial-and-error testing
- **Exchange Knowledge;** through workshops and training sessions with suppliers and employees

Company's Roles

KJL as Project Owner & Integrator

Top management:

- Provide strategic directions for resources efficiency
- Embed ESG into business strategy
- Oversight and monitor progress against targets

Production & Procurement Department:

- Convert policy into operational initiatives
- Embed ESG principles into procurement practices
- Enhance production efficiency while meeting customer requirements
- Track performance and identify opportunities for continuous improvement

Outcomes

Delivering cost, efficiency, and quality improvements across the supply chain, reflecting the transformation toward a Collaborative Supply Chain that creates shared value and sustainability for all stakeholders.

Targets & Performances 2025

KJL Corporate Target

- Reduce non-hazardous waste 5% annually
- Reduce hazardous waste 5% annually
- Materials usage ratio (metal & power coating) >80%

KJL Reuse Scrap Project Performance

- Reduce Steel Scrap output to 13.8% from 15% target from total steel input
- Achieve 100% recycle rate of powder coating for standard products from 85% target
- 86.2% utilization per steel sheet from 85% target
- 80.5% powder coating recovery rate from 80% target

Partners Performance

- Service/increased by more than 10%
- Steel Sale Revenue increased by more than 20%
- Low-Carbon Paint Sales increased by more than 70%
- Repeat Purchase Rate

Reuse Scrap Project Results

Shared Value Created by the Reuse Scrap Project Across the Supply Chain

KJL

- Reduce Steel Scrap and Powder Coating Waste
- Increase Productivity per Production Cycle
- Reduce Costs and Enhance Product Quality
- Achieve Corporate-Level ESG Goals

Partners

- Achieved Sales Growth
- Commercialization of Co-developed Innovations
- Elevated to Strategic Partner Status
- Stable, Long-term Business Relationships

Customers

- Higher-Quality Products
- Customer Feedback Incorporated into Product Development
- Continuously Improving Customer Satisfaction



Environmental & Social

- Reduce Industrial Waste
- Reduce Powder Coating Dust Dispersion
- Improve Resource Efficiency in Line with Circular Economy Principles
- Promote Employee skills and capability
- Promote Employee Occupational Health and Safety

Expanding Value Co-Creation

Turning Reuse Scrap into a self-sustaining engine for productivity and sustainability.



- Scale Reuse Scrap Phase 2 across Make-to-Order products
- Lift GP margin through higher-value scrap recovery
- Reduce carbon footprint product (CFP)

COMPANY

- Expand strategic partnerships with key suppliers

- Deepen circularity by recycling production scrap metal

- Strengthen partner networks and joint innovation

- Advance supplier ESG initiatives

- Extend the model to new products

PARTNERS/ SUPPLIERS

- Enable community scrap collection and recycling

- Share knowledge with industry associations

COMMUNITY & ENVIRONMENT

Part 3

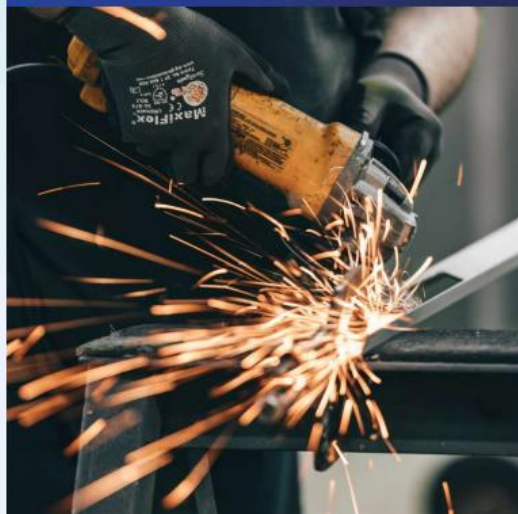
Q & A

Better Together for Sustainable Growth 2030

**FLEXIBLE
INNOVATION
SPEED
TRUSTWORTHY**



Electrifying Your World



JAPAN TECHNOLOGY
ジャパンテクノロジー

**BETTER
TOGETHER**

