PT. INDONESIA

# LIBOLON

FIBER SYSTEM

## Company Overview

## 2026

# LIBOLON OVERVIEW

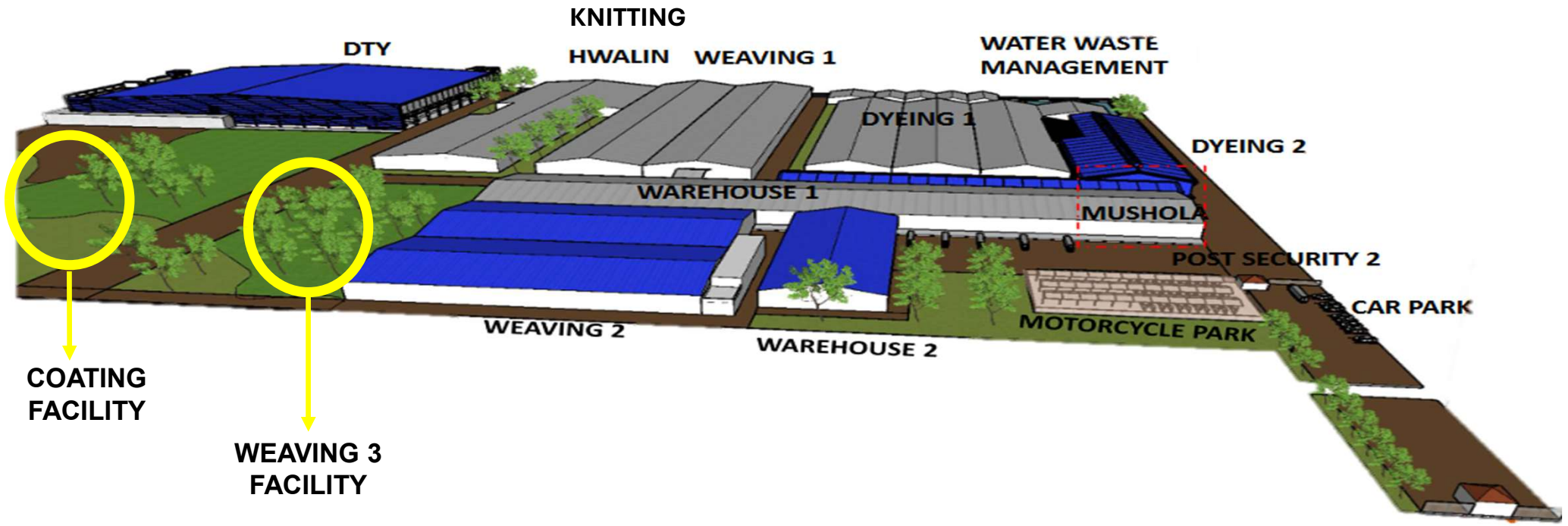
## INTRODUCTION OF LIBOLON INDONESIA: MANUFACTURE AND TECHNICAL CAPABILITIES

LIBOLON

# MILESTONE

- 1975 — Li Peng Enterprise Co., Ltd (Taiwan)
- 1979 — Lealea Enterprise Co., Ltd (Taiwan)
- 2007 — LIBOLON (Li Peng & Lealea)
- 2017 — PT. Indonesia LIBOLON Fiber System (Indonesia)

# LIBOLON INDONESIA LAYOUT



# Weaving Facilities

**WEAVING I (385 Units)**
**WEAVING II (306 Units)**

**<u>Total 691</u> units, capacities 4M yd/month.**

# Weaving III – NEW INVESTMENT

**New machine equipment installation:**

- **LIBOLON total machine 691 units by 2024.**
- **<u>NEW UPDATE:</u>**
  **WJL machine will be 979 units by 2026.**

**Timeline:**

**2026 Q1**

- Land and building set up.

**2026 Q3**

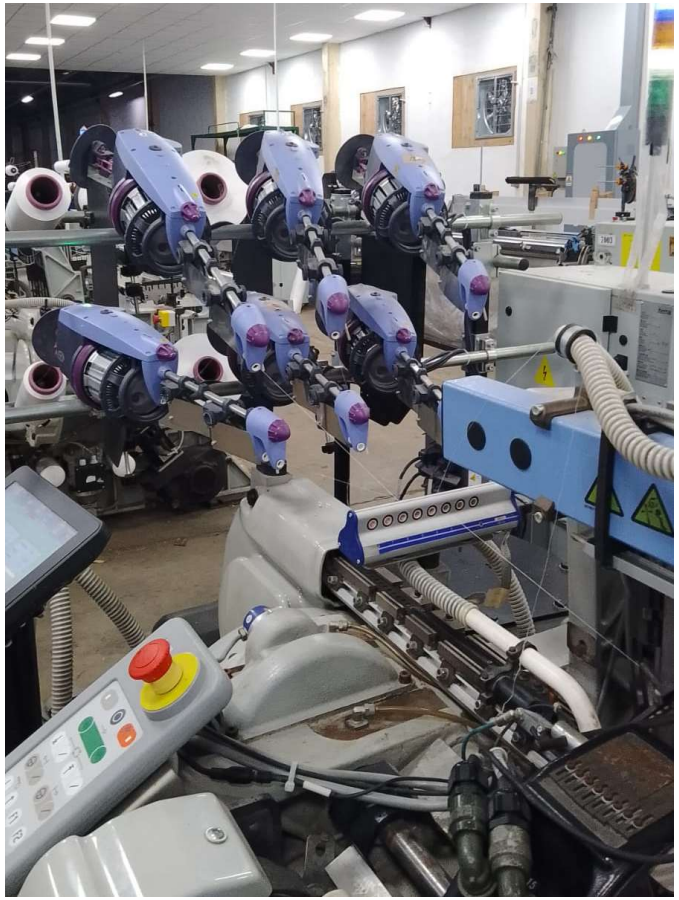
- Building finish

**2026 Q4**

- Machine installation 288 Water Jet Loom
- Testing and trial

**Project Plan finish 2027 Q1.**
**Capacity increase 1.2 M yard/month.**

# Rapier Loom – NEW INVESTMENT



Timeline:

- ❑ 15 machine arrive in 2026 Q1
- ❑ Location of the machine in weaving I.
- ❑ Testing and trial in 2026 Q2.

***Capacity 120.000 yd/month.**

# Dyeing Facilities

## JET DYE

**Indonesia: 52 Units**

## BEAM DYE

**Indonesia: 8 Units**

**Total 60 units of dyeing machine.**
**Capacity: 5 Millions Yards per Month**

# Finishing Facilities

**Dryer**

**5 Units**

**Desizing**

**4 Units**

**Heat Setting**

**8 Units**

**Calendar**

**4 Units**

# Finishing Facilities

**Peaching**

**2 Units**

**Emboss**

**1 Unit**

**Digital Paper Print**

**5 Units**

**Heat Transfer Print**

**2 Units**

**Laminating**

**1 Unit**

# Coating Facilities – NEW INVESTMENT

**NEW INVESTMENT UPDATE:**

**Timeline:**
**2026 Q1**
- Land and building set up.

**2026 Q3**
- Building finish

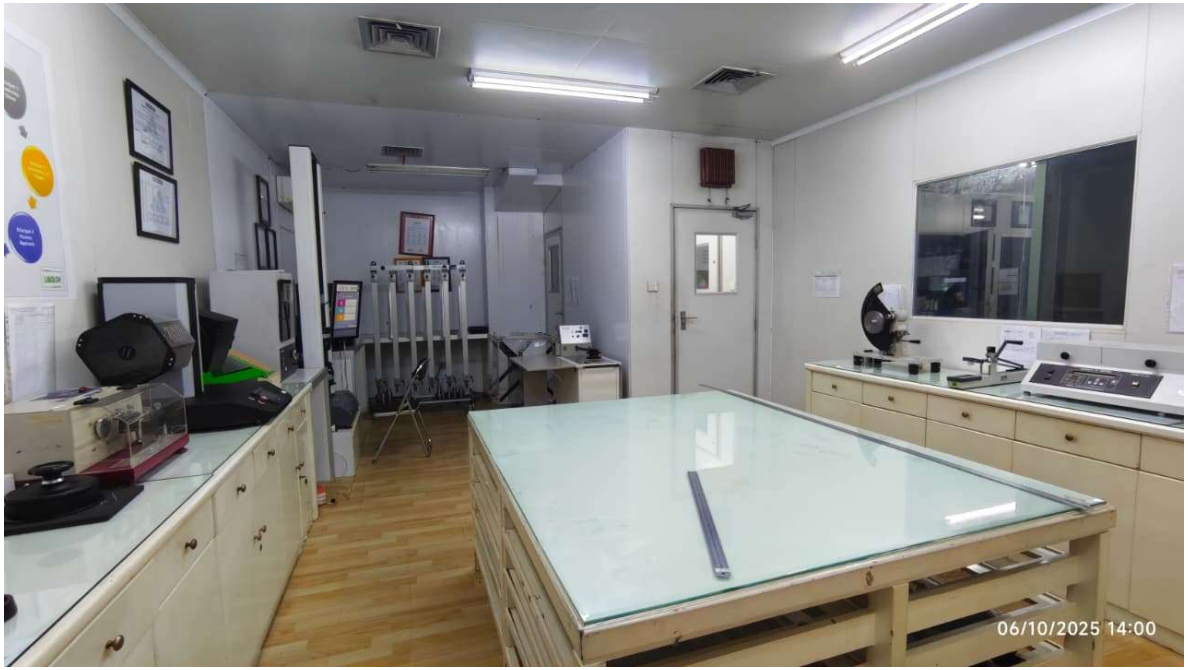
**2026 Q4**
- Machine installation：2 coating m/c
- Testing and trial

**Project Plan finish 2027 Q1.**
**Capacity increase 600.000 yard/month.**

# Laboratory Lab Dip Facilities

*** Laboratory equipped with advanced color dispensing systems and the latest spectrophotometer, operated by certified colorists.**

# QA Facilities & Certificate



adidas

Supplier's Lab Accreditation Certificate

PT. INDONESIA LIBOLON FIBER SYSTEM

T2 MATERIALS SUPPLIER

is approved to perform and interpret testing for adidas materials/products in the laboratory located at DESA KEMBANG KUNING, KEC. JATILUHUR, KAB. PURWAKARTA, JAWA BARAT, INDONESIA, according to the adidas specified testing methods, and according to the rules of adidas Supplier's Lab Accreditation Program.

The technical staffs listed in the attachment are hereby authorized to perform this activity on behalf of PT. INDONESIA LIBOLON FIBER SYSTEM.

Under the supervision of KUNKUN MOCHAMAD MASKUN

Signed on behalf of:

adidas

Issued on: 13th August 2024

intertek

Total Quality. Assured.

Valid until: 25th June 2025

adidas PROPRIETARY AND CONFIDENTIAL INFORMATION:

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TARGET

LABORATORY APPROVAL CERTIFICATE

This certifies that the laboratory of

*PT. Indonesia Libolon Fiber System.*

*VMM Location ID: 365884*

*Desa Kembang Kuning, Kecamatan Jatiluhur, Kabupaten Purwakarta, Jawa Barat, Indonesia*

Has been approved to perform the following tests as per Target requirements in the Target Suppliers' Laboratory Certification Program guide:

| Test Name | Test Method | Technicians |
|---|---|---|
| Fabric Weight | ASTM D3776 | Mahmud / Devi Hermawan |
| Fabric Construction (Woven) | ASTM D3775 | Firman Syahada / Devi Setiawan |
| Fabric Width | ASTM D3774 | Mahmud / Dani Djalinar |
| Dimensional Stability in Laundering (2 HL) | AATCC 135 Option 2 | Firman Syahada / Devi Hermawan |
| Filling after Laundering | Visual after 3 Home Laundering: Use Standard Bars ASTM D3512 | Firman Syahada / Mochamad Saefudin |
| Skewness after Laundering | AATCC 179 Method 1, Option 2: Modified | Dani Djalinar / Firman Syahada |
| Colorfastness to Home Laundering / Staining after Laundering (Mirror) | AATCC 135 | Maryati Ashadi / Mohamad Nuzdin |
| Colorfastness to Crocking | AATCC 8 | Maryati Ashadi / Mohamad Nuzdin |
| Colorfastness to Light | AATCC 16.3 Option 3 | Maryati Ashadi / Mohamad Nuzdin |
| Colorfastness to Perspiration | AATCC 15 | Dani Djalinar / Mohamad Nuzdin |
| Colorfastness to Sea Water | AATCC 106 | Dani Djalinar / Maryati Ashadi |
| Colorfastness to Dye Transfer in Storage | AATCC 162 Option 1 (Modified) | Maryati Ashadi / Mohamad Nuzdin |
| Colorfastness to Phenolic Yellowing | ISO 105 X18 | Mahmud / Devi Setiawan |
| Colorfastness to Water | AATCC 107 | Maryati Ashadi / Dani Djalinar |
| Colorfastness to Heat | AATCC 132 | Maryati Ashadi / Mohamad Nuzdin |
| Tearing Strength | ASTM D1424 | Firman Syahada / Devi Setiawan |
| Tensile Strength | ASTM D5034 | Dani Djalinar / Devi Hermawan |
| Stretch & Recovery (Woven) | ASTM D3107 (Modified) | Firman Syahada / Mochamad Saefudin |
| Stretch & Recovery (Weft Knit) | ASTM D3594 (Modified) | Devi Setiawan / Mochamad Saefudin |
| Stretch & Recovery (Warp Knit) | ASTM D4964 | Devi Setiawan / Mochamad Saefudin |
| Random Tumble Pilling | ASTM D3512 | Devi Hermawan / Mochamad Saefudin |
| Pilling (Martindale Modified) | ASTM D4970 | Firman Syahada / Mochamad Saefudin |
| Wicking | AATCC 213 | Mahmud / Devi Setiawan |
| pH Value | AATCC 81 | Mahmud / Devi Setiawan |

Under the supervision of:

*Hiss Chih Yang- Laboratory Manager*

*Issue Date: March 11, 2025*

*Expiration Date: March 10, 2027*

*Signed:*

*Roy Chen*

*BVCPS*

***Libolon QA lab is accredited by adidas & Target**

# DTY Facilities

**Project Timeline:**

- Land Set Up -> 2022 Q4
- Production start -> Est 2027 Q4
- Production Capacity: Est 2,400 tons/month
- Texturizing machine: Est  12 Machine

**Shorten LT:**

From 1-2 months (supply from Taiwan) -> shorten into 2 weeks to 1 month (special yarn).

- Factory Building located in Purwakarta, near main production area with 20.000 sqm building space.

# MANUFACTURE PRODUCT OVERVIEW AND CUSTOMER SUMMARY

LIBOLON

# RAW MATERIAL & PRODUCT

RePET®

Recycled PET

PolyPlus® NylonPlus®

Recycled Industrial Waste

ReEcoya®

Recycled Dope Dyed

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ReFLEX

Recycled PES
Mechanical Stretch

CRZ SYSTEM

Closed Loop Recycling
Zero Waste System

# CORE PRODUCT

## Puffer Fabric

Fabric Specification:
05324A, 12214A…etc

## Sportswear Fabric

(RecEcoya – Rec Dope Dyed)

Fabric Specification:
12193A,11892A, 12155A,
12196A..etc

## Outerwear Fabric

(2L, 2.5L,3L)

Fabric Specification:
12155A, 05346A, 04852A,
02679A..etc

# CORE PRODUCT

## 4 Way Stretch Fabric

Fabric Specification:
05457D,12529,12340A, DP0081…etc

## Woven & Knit Print Fabric

Fabric Specification:
03438D,DM0002,05622A,…etc

# The Partnership

## USA

Columbia Sportswear Company
adidas
MATTEL
TARGET
Academy SPORTS+OUTDOORS
TUMI
Callaway
TOMS
UNDER ARMOUR
AWAY
TIMBUK2

## EU

PVH
TOMMY HILFIGER
adidas
H&M
BOSS HUGO BOSS
CALZEDONIA
schoolblazer
Jack Wolfskin

## ASIA

MIZUNO
UNIQLO
LOJEL
YONEX
MUJI 無印良品
gojek
EIGER TROPICAL ADVENTURE
LAICA
MILLS
SŪKO
KALIBRE
TICKET TO THE MOON
torch
HEYMALE
modinity

**Customer % Distribution:**

**USA 30%**

**EU 40%**

**ASIA 30%**

# MANUFACTURE GREEN ENERGY & SUSTAINABILITY COMMITMENT

LIBOLON

# LIBOLON INDONESIA SUSTAINABILITY ROADMAP

**PT. Indonesia LIBOLON Fiber System**

**Hydropower**

2021 — 2022 — 2023 — 2024 — 2025

**Target of CO2 Reduce**

**30%**

**By Year 2030**

**Biomass**

**Liquified Natural Gas**

# LIBOLON GREEN ENERGY (INDONESIA)

01.

**HYDROELECTRIC POWER**

Located in Purwakarta, Libolon generate electricity from Jatiluhur Dam (PLTA) .

02.

**BIOMASS**

Effectively implement and energy source with 100% Biomass.

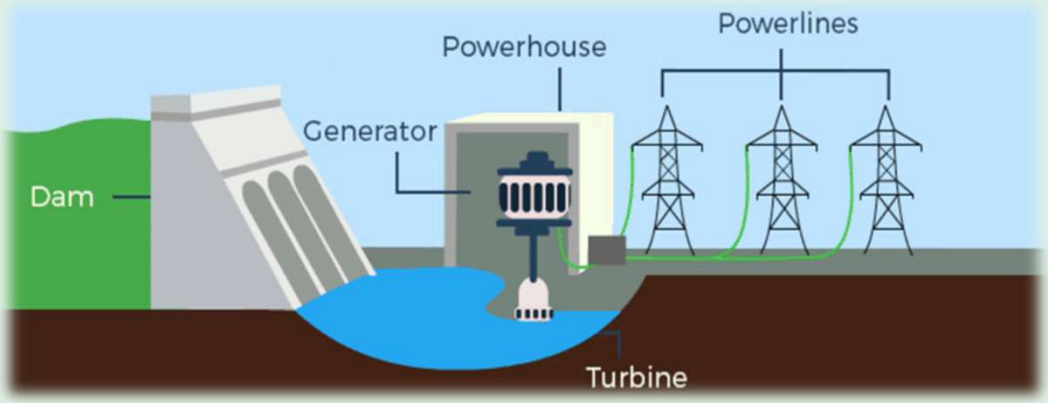
03.

**LIQUIFIED NATURAL GAS**

Adapt LNG that serves as one of energy source in alignment to Libolon coal phase-out strategies.

# HYDROELECTRIC POWER PLANT

**Libolon approached government Jatiluhur Water Dam for renewable energy project in 2022 Q4.**




*Hydropower flow simulation.

**With the location 6 KM away from LIBOLON mill. The flowing water convert into electricity energy that carries through Libolon transmission powerlines.**

**The hydropower now has been providing 60-70% electricity to the mill.**

LIBOLON

# BIOMASS ENERGY

**Since beginning of 2023, Libolon has been implementing 90% Coal and 10% Biomass.**

**Compounding material such as palm shell, saw dust and others into energy source.**

**In 2026, Libolon officially utilizes sustainable energy:**

**“100% Biomass”**

# LIQUIFIED NATURAL GAS

*On 2023 Q2 - 1st LNG Boiler installed in Libolon Indonesia mill.

**Project of energy replacement from Coal into Liquified Natural Gas Boiler:**

- **Location building in LIBOLON Purwakarta factory.**
- **Expected to reduce CO2 emissions and air pollution.**
- **1st boiler has officially started from 2023 Q2.**
- **2nd boiler arrived April 2024, finished installation and running.**

# CERTIFICATIONS

# Contact

Contact our company to get more information


Office

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