BUKAKA | DIMAIM | STIE

PASSENGER BOARDING BRIDGE



48 Years
Experience

About Us

Founded in 1978, PT Bukaka Teknik Utama Tbk has grown into a leading multinational company focused on engineering excellence. We integrate Specialized Manufacturing, EPC (Engineering, Procurement, and Construction) services, and robust investment strategies to support sustainable infrastructure development.

Head Office & Main Factory

Jl. Raya Narogong Bekasi Km. 19,5, Limusnunggal, Cileungsi, Bogor 16820.

1000+
Projects

3000+
Employees

4
Continents

6
Manufacturing Locations

30.000 M^2
Production Floor

300+
Machineries

WORLD'S BEST

Recognized among world's best boarding bridge manufacturers

1000+

Boarding bridge units produced to date

600+

Exported Worldwide

Market Leader in Passenger Boarding Bridge Production



Bukaka has been supplying Passenger Boarding Bridges (PBBs) since 1989 with the first delivery to Soekarno Hatta International Airport, Jakarta and Hachijojima Airport, Japan. To date, Bukaka has supplied over 1,000 units: 377 domestically and 672 internationally. Among the major export destinations are Japan (188 units), India (208 unit), Hong Kong (88 units) Thailand (67 units), Malaysia (46 units), Singapore (34 units)

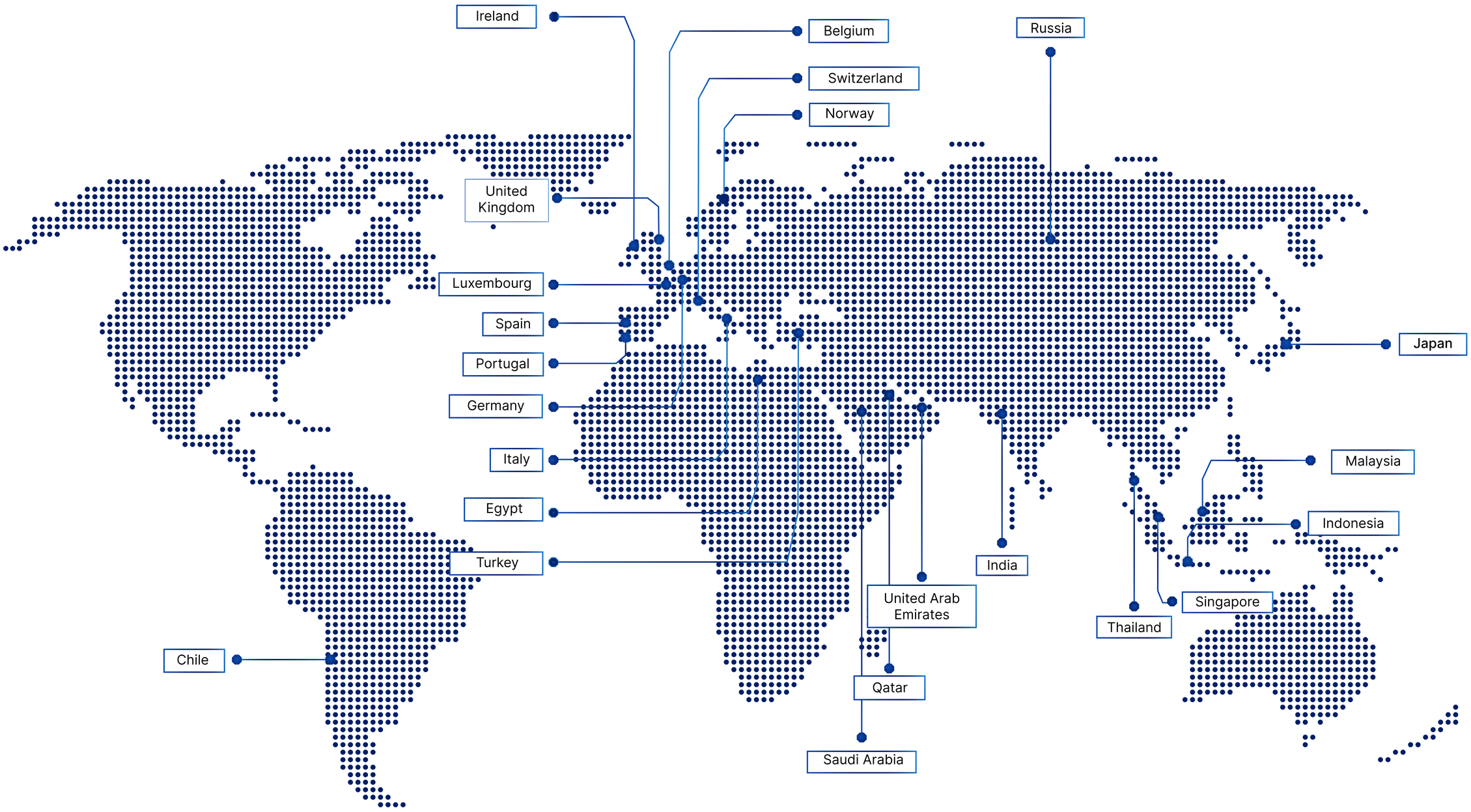
Our product ranges from Passenger Boarding Bridges for Seaports Industry, and Gangways.

We deliver high quality, customized designs to suit the airports' requirement. The variability can include:

- Two- or Three-tunneled bodies
- Glass- or Steel tunnels
- Hydraulic or Electromechanical Elevation Systems, with telescopic extension
- Apron-driven or Nose-Loaders to Fixed Bridges, T-bridges, or Commuter Bridges
- Serves large commercial aircrafts from A380 to smaller passenger planes.

In addition, the units can be supplied with Preconditioned Air Units PCA, Remote Control Operating System, PBB Docking Simulator, Autodocking, Refurbish and Maintenance and Training.

Global Reach



Since 1989
Serving airport infrastructure (Passenger Boarding Board)

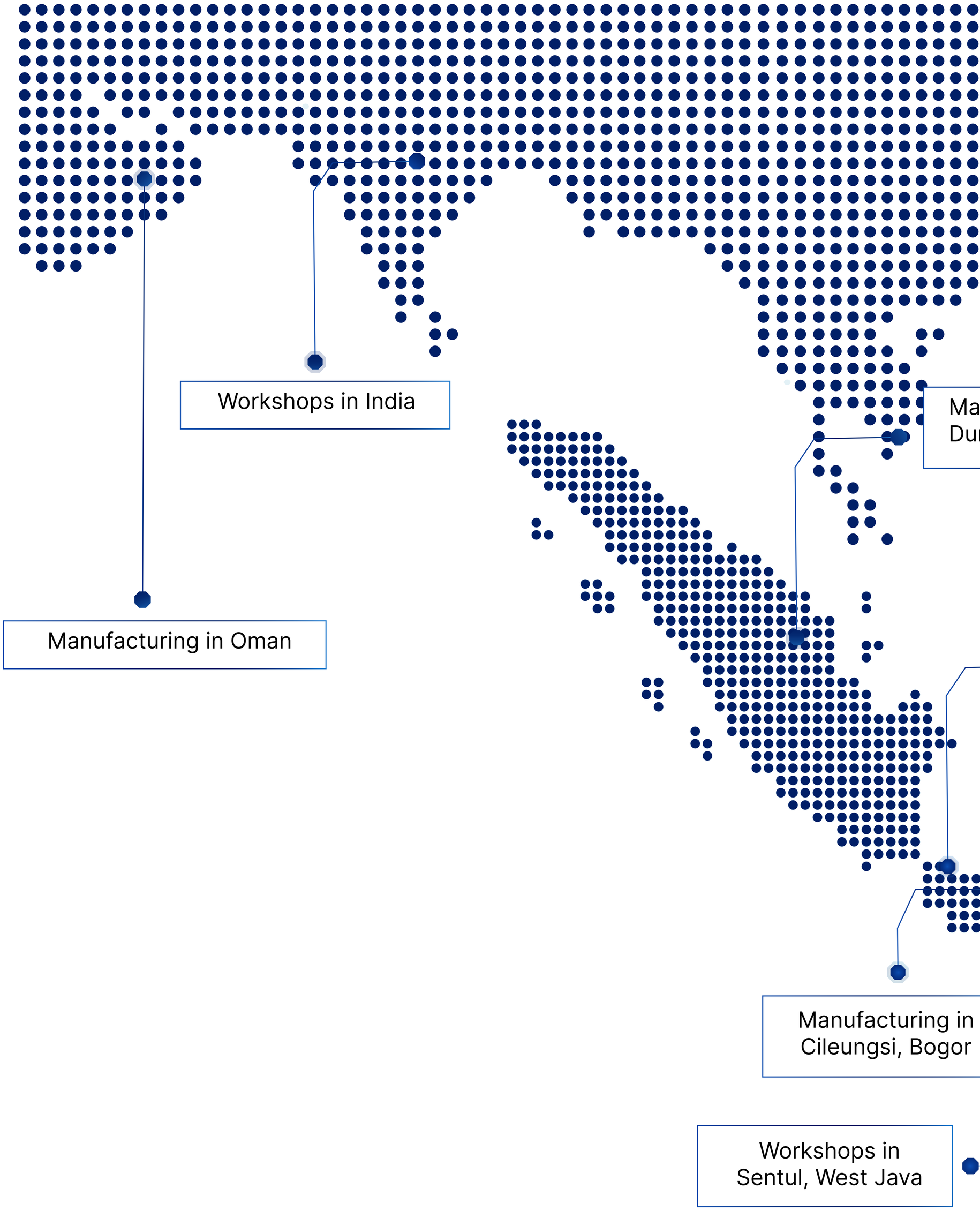
1000+ Units
PBB installed & Delivered.

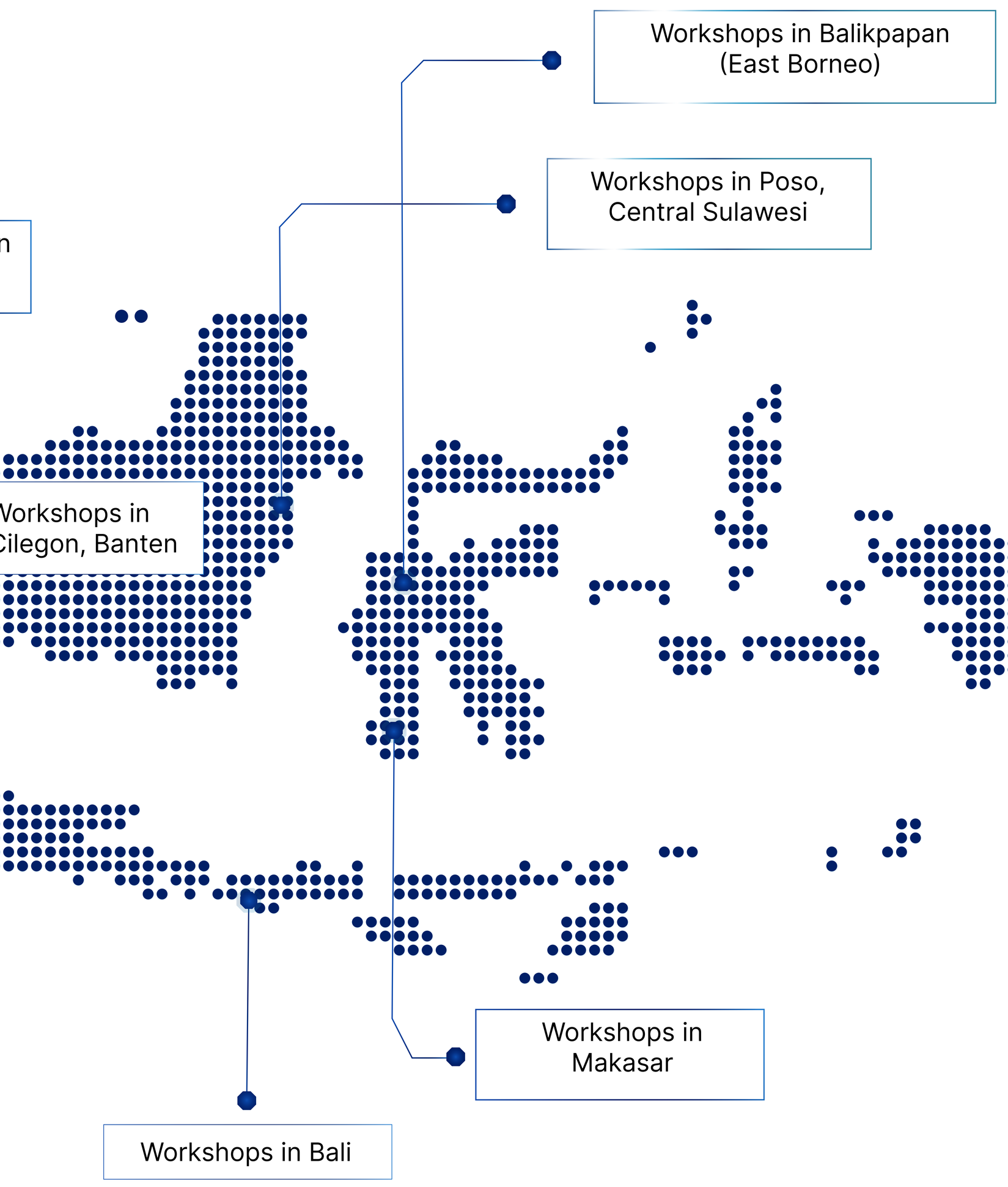
16+ Countries
Proven project support across Asia and beyond.

+150 Airports
Trusted across the globe.

150+ Units / Year
Total Production Capacity

Manufacturing Plants & Maintenance Workshop Locations




Workshops in Balikpapan (East Borneo)
Workshops in Poso, Central Sulawesi
n
Workshops in Cilegon, Banten
Workshops in Makasar
Workshops in Bali

Passenger Boarding Bridges

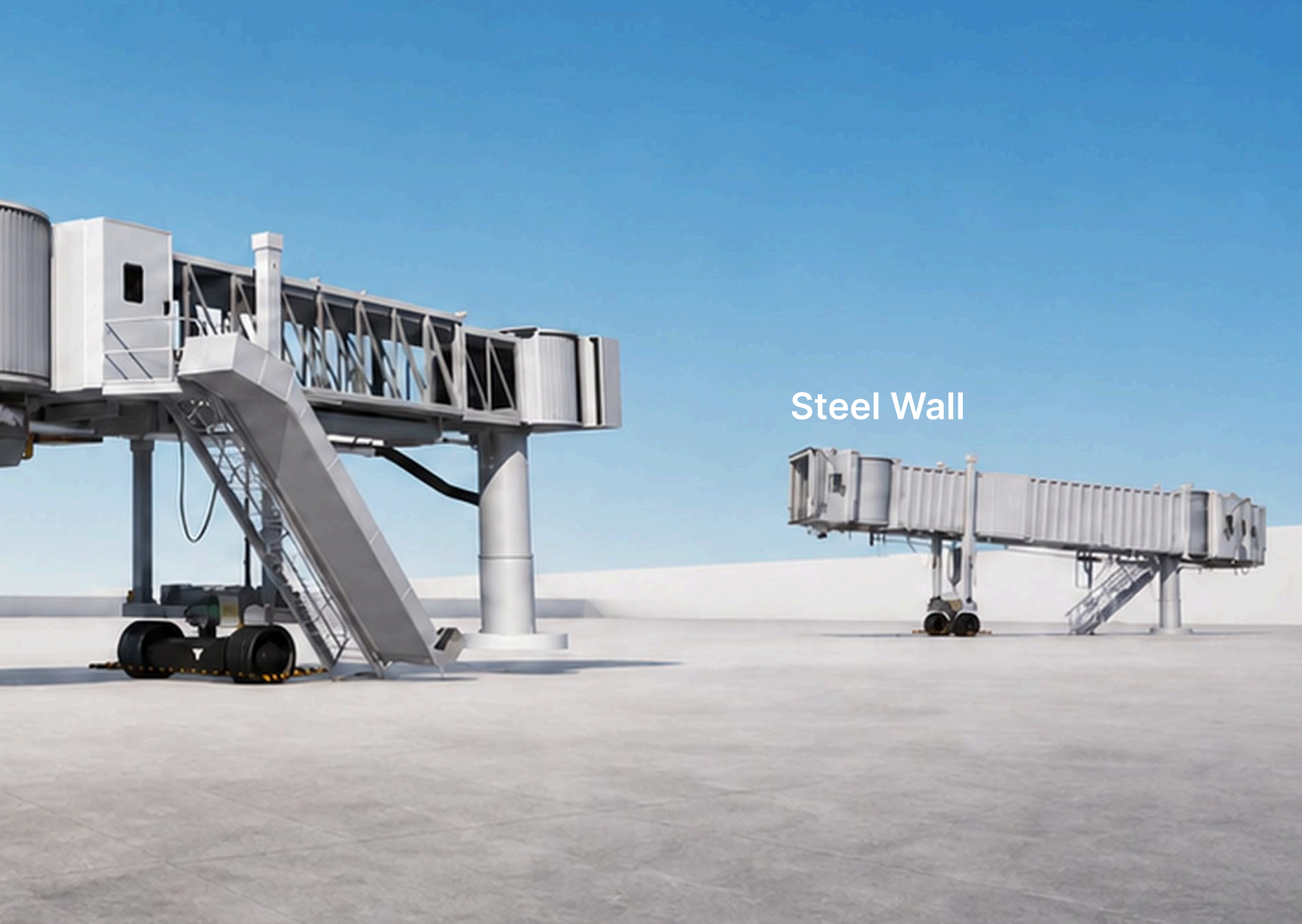
The New Generation



Glass Wall



Steel Wall



Model & Type

Glass Wall

3 Tunnels



2 Tunnels



Steel Wall

3 Tunnels



2 Tunnels



Seamless Boarding Experience



Unlimited Personalization



Apron Drive for Seaport

The New Generation

Combining Advanced Technology with Robust Capacity and Project Management

BUKAKA

Passenger Boarding Bridge OEM with 35+ years experience and a manufacturing capability of 150 units/year

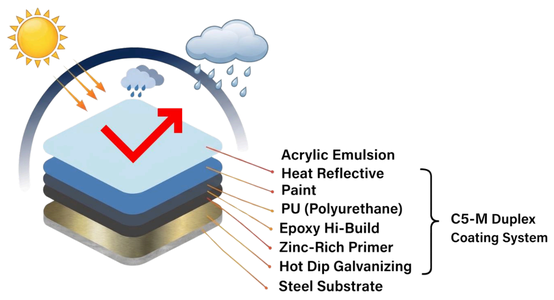
DIMAIM

Expertise on Automation and Control System, from Full Automation, Auto Docking Operations and Central Operation of Multiple PBBs

STIE

Proven Singapore Engineering Strength and Project Management in Infrastructure Projects





Advanced Duplex Corrosion Protection System

The NewGen PBB adopts an Advanced Duplex Corrosion Protection System engineered for aggressive, hostile, near-sea airport environments, in accordance with **ISO 12944 C5-M (Marine)** corrosivity classification. The duplex system — comprising hot-dip galvanizing in accordance with **ISO 1461** and a C5-M coating system — is applied as the primary corrosion protection for the main structural steel elements of the PBB. For selected structural components and external surfaces exposed to direct solar radiation, an additional heat reflective paint layer is applied as a green energy innovation to enhance thermal performance and support energy-efficient airport operations.

1. Hot-Dip Galvanizing – Baseline Lifetime Protection

- Zinc coating **metallurgically bonded** to steel for long-term adhesion.
- Provides **uniform protection** on edges, corners, and concealed areas.
- Sacrificial **(cathodic) protection** shields steel even if coating is locally damaged.
- Effectively **delays corrosion initiation** and provides long-term baseline durability in coastal environments.

2. C5-M Duplex Coating System – Extended Corrosion Protection

- **Dual protection**: galvanizing with high-performance coating.
- Zinc-rich primer for **enhanced cathodic protection and adhesion.**
- High-build epoxy barrier **against moisture and chlorides.**
- PU topcoat for **UV, weathering, and abrasion resistance.**
- **Duplex effect slows corrosion** and zinc consumption.
- Effective corrosion protection life: **25–40 years.**

Smart & Future-ready Technology

- New Generation Control Architecture
- Digital Integration
- Remote & Autonomous Operation

Built to Last

- Premium grade materials
- Galvanized structure
- High quality finish

Operational Efficiency

- Optimized energy consumption.
- Reduced operational complexity
- High availability rates.

Safety by Design

- Passenger-centric safety and comfort
- Max protection for aircraft interface
- Fully compliant with international standards

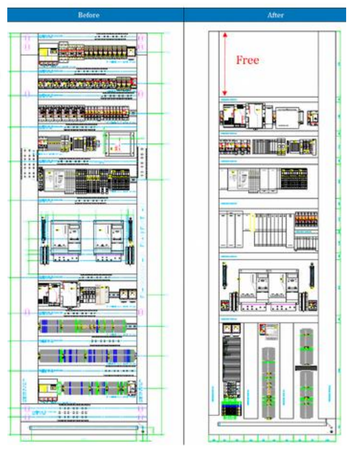
Reliable & Easy to Maintain

Maintenance-friendly design with minimal downtime and proprietary dependency

Competitive Total Cost of Ownership

- Competitive Capex price.
- Very Low life-cycle cost.
- Lower inventory and logistics cost over the lifetime

Innovations



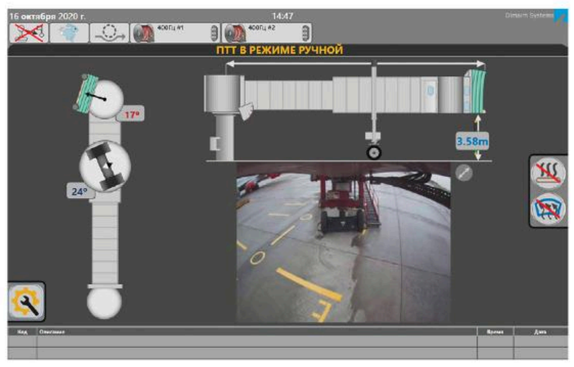
New Electrical Cabinets

- Reduction of space and complexity
- Reduction of failures and MTTR
- Easy maintainability
- Reduction of energy consumption
- Avoid early obsolescence



New Control Panel

- New integrated Control pannel
- Single touch HMI
- No additional video screens
- required
- Optimized operator ergonomics
- Layout approved by customer



Universal Software & HMI app

- OEM Independent
- PLC brands compatible
- Modular and easily configurable
- architecture
- Alarms and I/O recording
- Touch panel and industrial PC
- (plug-and-play replacement)
- Reduced spares & MTTR



Non - Expose Gutter

- The non-exposed gutter keeps the
- drainage system hidden from
- passengers, improving the overall
- interior appearance.



Energy Monitoring Service

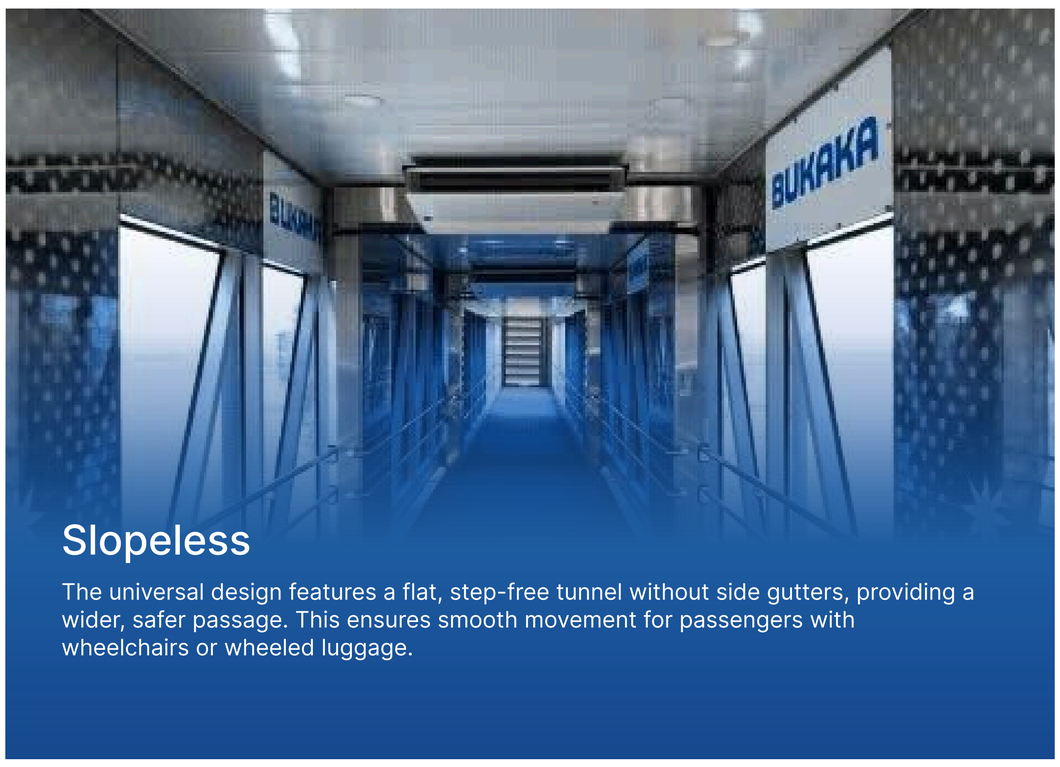
- An integrated energy meter
- provides real-time power
- monitoring and connects to the
- airport BMS to support efficient
- energy management.



Coating System for Heat Reflective Paint

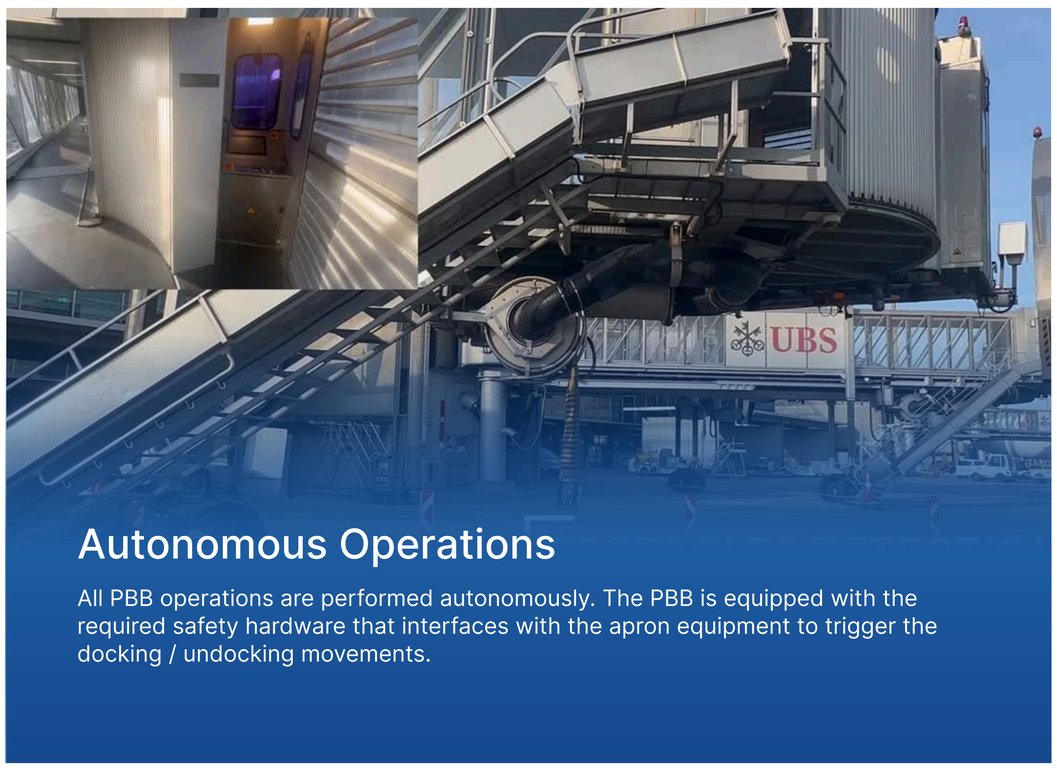
- The Passenger Boarding Bridge is
- finished with a heat-reflective
- coating system that reduces heat
- absorption, enhances thermal
- comfort, and improves durability
- under harsh environmental
- conditions.

Advanced Featured



Slopeless

The universal design features a flat, step-free tunnel without side gutters, providing a wider, safer passage. This ensures smooth movement for passengers with wheelchairs or wheeled luggage.



Autonomous Operations

All PBB operations are performed autonomously. The PBB is equipped with the required safety hardware that interfaces with the apron equipment to trigger the docking / undocking movements.

Passenger Boarding Bridges
New User Interface

SIMATIC HMI

About



donesia.
d.

es of Indonesian engineering
ble airport solutions for local
ng bridge facility by highly
components and materials.
Boarding Bridges combine
s passenger movement at

0+
ed

400+
Exported Worldwide

Head Office & Factory
Jl. Raya Narogong Bekasi Km. 19,5,
Limusnunggal, Cileungsi, Bogor 16820.

Indonesia
We Born, Our Origin, Our Pride

uilt for Airport Operations

signed with advanced electro-mechanical systems,
able control technology, passenger comfort, and
g-term maintenance support in mind.



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Regional Hub & Manufacturing — *Oman*



Head Quarters & Main Manufacturing — *Indonesia*



Airport Authority of India

India





Ishigaki Airport

Japan





Kitakyushu Airport

Japan



Shizuoka Airport



Japan



Hakodate Airport



Japan



Juanda Airport



Indonesia



Our Valuable Customer

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