



*Total Solutions to  
Protect Your Structure*

# Introduction



## Established in 1964

Over six decades of excellence in marine engineering

## Largest manufacturing facility

Producing a full range of rubber engineering & heavy fabricated products for Ports, Harbors, and Offshore Platforms

## Expertise in Berthing & Mooring Solutions

Specialized in design, manufacturing, supply, and installation.

## Advanced Testing and R&D

In-house state-of-the-art Testing and Research facility for quality assurance.

## Comprehensive Accreditations

ISO 9001, ISO 14001, ISO 45001, ISO 3834, EN 1090 EXC4, MCC and SCOPE.

## Integrated Manufacturing

Rubber engineering and heavy steel fabrication under one roof for seamless quality and product synchronization.

## Global Presence

Supplying to over 90 countries with 40+ sales partners worldwide.

## Expert Team

Skilled professionals with 15+ years of average experience and an average age below 40.

# Group Companies

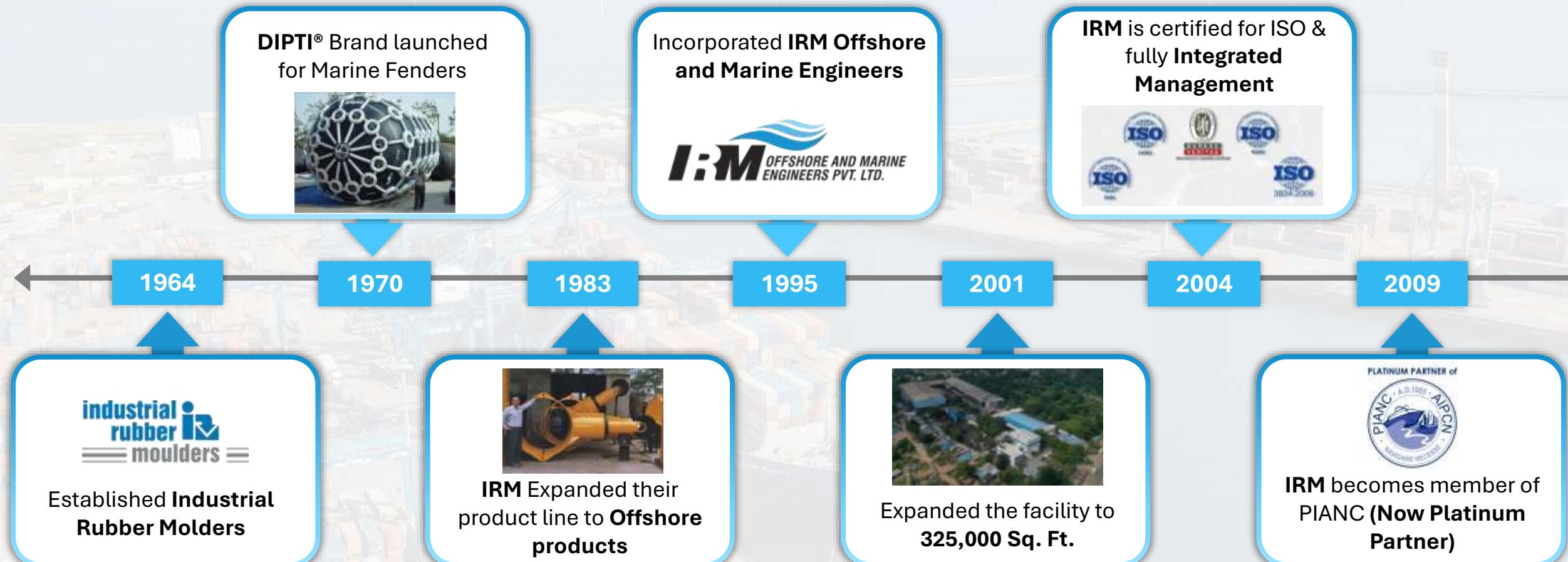


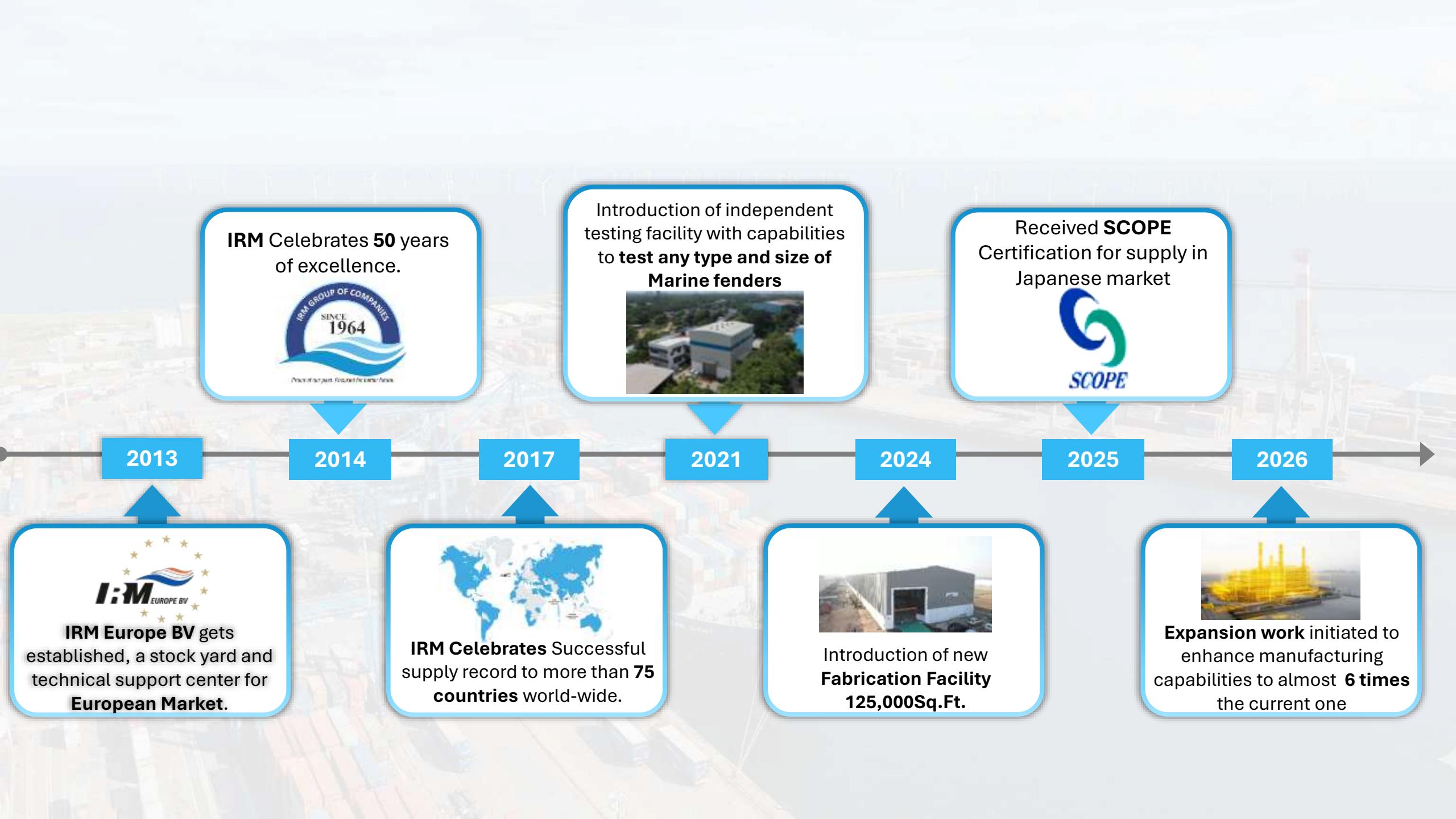
**IRMOME** is one of the pioneers in the manufacturing of all types of **Marine Fenders, Floating Fenders, Boat Fenders** along with **Pneumatic fenders** along with Offshore Installation Aids, and Protection Systems for Oil and Gas/Offshore Wind energy industry, Products like **Jacket Pile Grippers, Leg Matting Units, Diaphragm Closure, Grout Seals, and more**

**IRM Europe BV** is a wholly owned subsidiary of **IRMOME** having its operational office and stockyard in the Netherlands. **IRM Europe BV** keeps a large stock of various sizes of Pneumatic Fenders available for immediate sale or rent

**IRM INFRA** is a company engaged in **Infrastructure** civil projects

# History





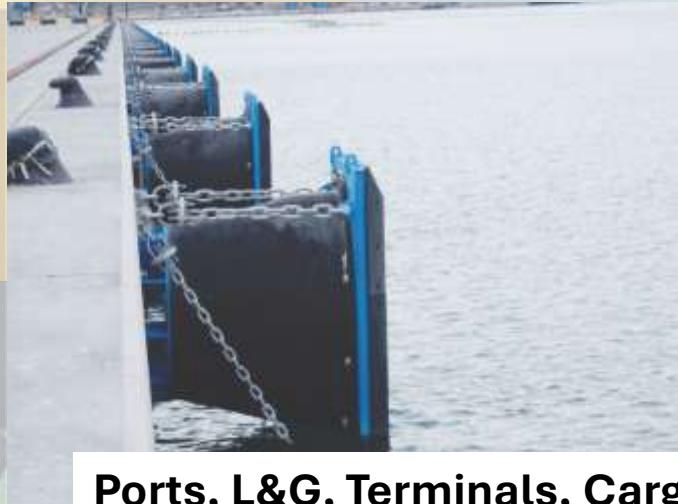
# Market Segment



## Marine Products

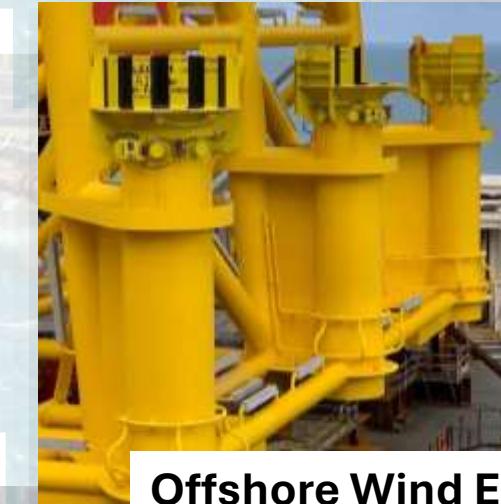


STS, FPSO, FLNG



Ports, L&G, Terminals, Cargo

## Offshore Products



Offshore Wind Energy



Mooring & Fender  
Fixing Accessories



TUG-Boats



Offshore Oil & Gas

# Different Applications



**VLCCS**



**LNG Terminals**



**ULCCS**



**Oil Terminals**



**Crude Terminals**



**PPP-Operated  
Terminals**

# IRM: Total Berthing & Mooring Solutions



## Marine Fenders



Cone Fenders



Cell Fenders



ELEMENT FENDERS



ARCH FENDERS



W/M Fenders



Cylindrical Fenders

## Floating Fenders

### Pneumatic Fenders



### Foam Fenders



### Hydro-Pneumatic Fenders



### Donut Fenders

## Boat Fenders

### Keyhole Fenders



### Tugboat Fenders



### D Fenders



### Square Fenders



Bollards



Mooring Buoys



Quick Release Mooring Hooks



Berth Aid Systems



Capstans



Frontal Frames



Fender Fixing Accessories

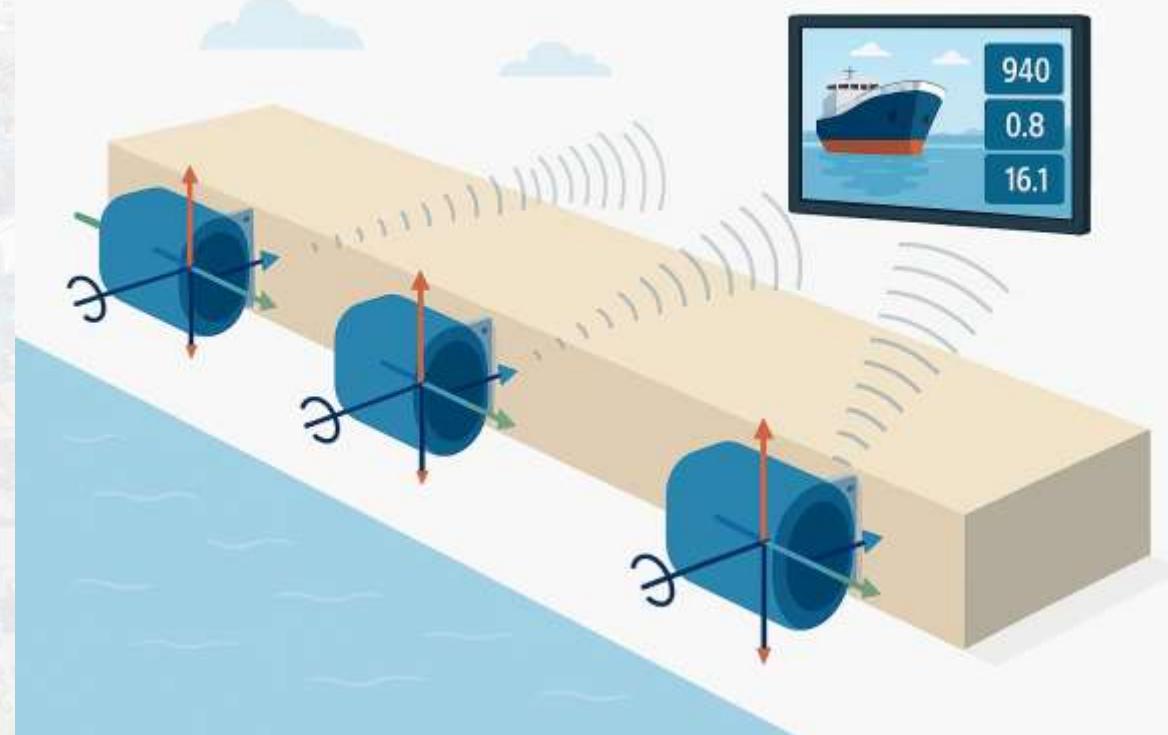


Ladder Fenders

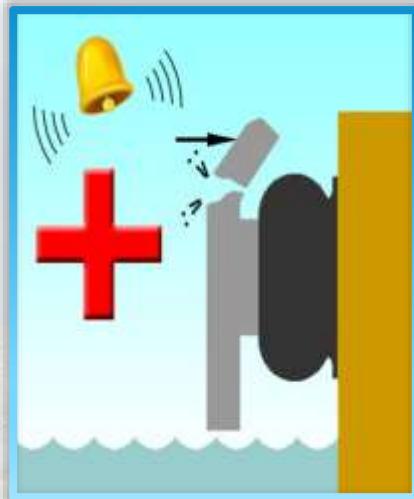
# Smart Fendering Systems Initiative



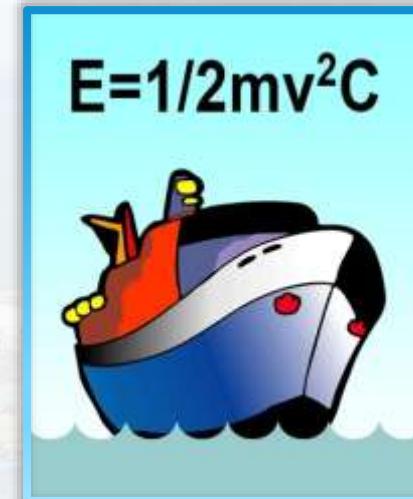
**IRMOME is developing a Smart Connected Fendering System to get Realtime data of the berthing operations**



# Smart Fendering Systems Initiative



Fender Damage Alarms



Ship Berthing Contact Speed & Energy Amplitude Alarms



Ship Berthing Impact Load Alarms

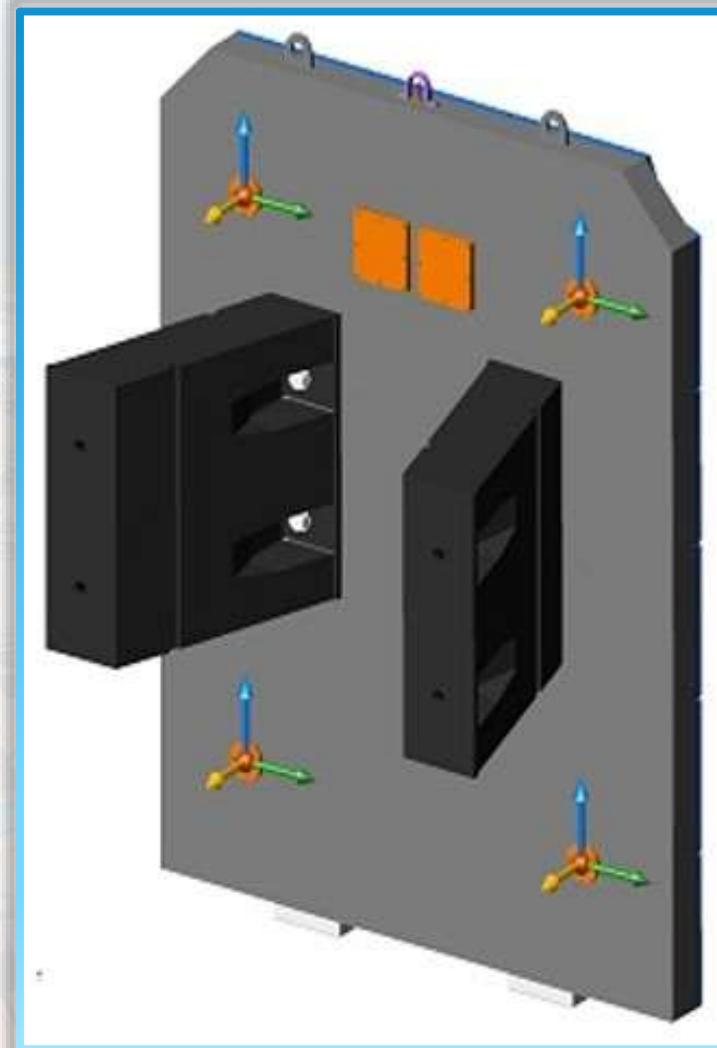


Historical Berthing Impact Distribution Graph

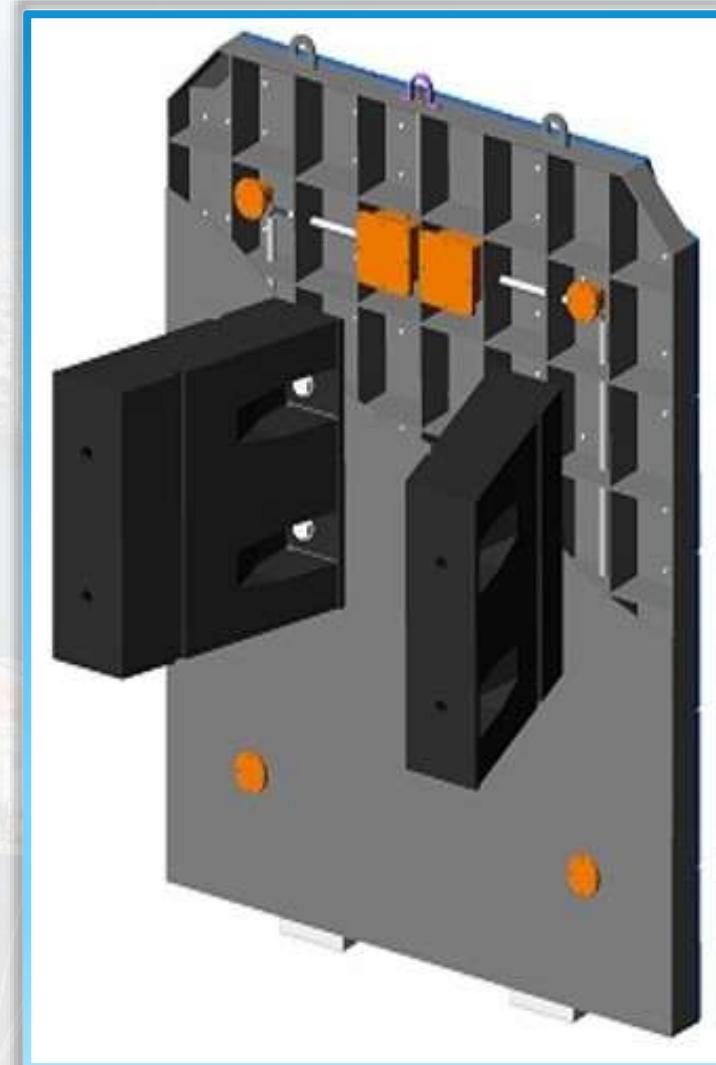


Historical Data Replay

# Arrangement



STEP 1



STEP 2

# Online Display on Jetty



# Manufacturing Facility



- IRM Operates all its manufacturing from State-Of-The-Art **Manufacturing and Fabrication plants** spread across **450,000SqFt**. located in Ahmedabad, India.
- IRM has a fully integrated system for perpetual monitoring of raw materials, products, and processes record resulting in absolute customer confidence.
- IRM has a well-equipped laboratory with qualified personnel for continuous improvement and development of new products.
- IRM has started the expansion of new fully integrated manufacturing facility, 6 times bigger than the all-current facilities it has, to manufacture all product line, providing end to end solution to client.

**Facility 1**  
**325,000SqFt.**



**Facility 2**  
**125,000SqFt.**



# IRM Facility



**Rubber Moulding Unit**



**Fabrication Facility 1**



**Fabrication Facility 2**



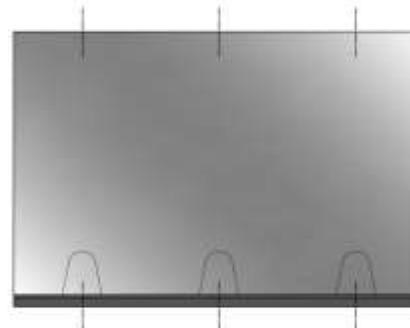
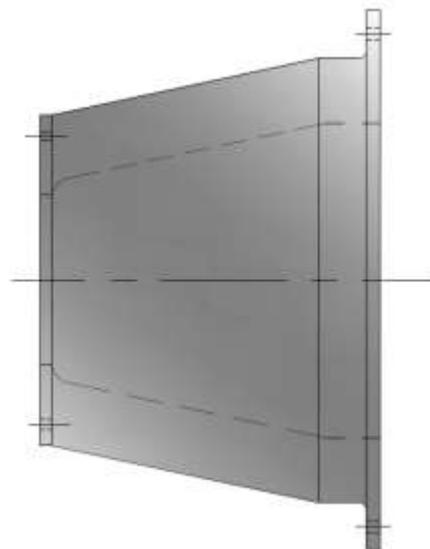
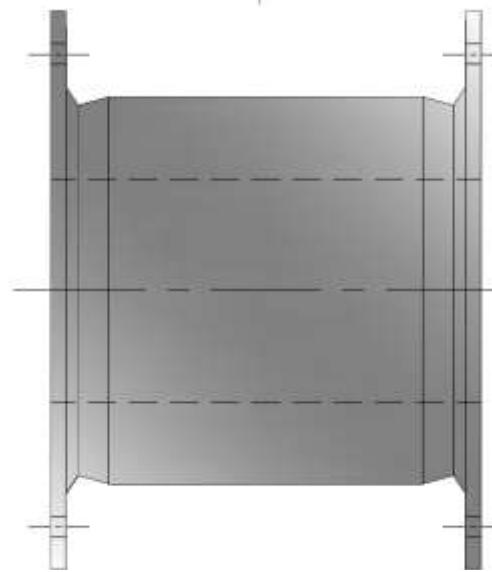
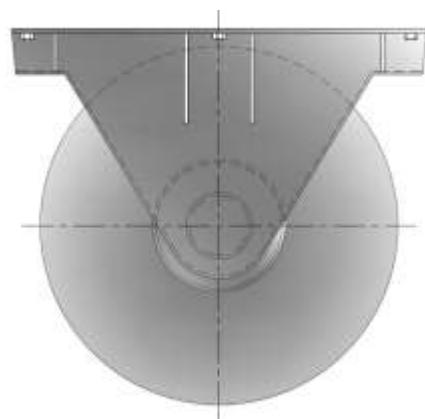
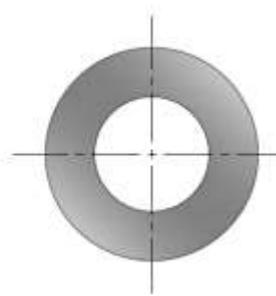
**Paint Shop**



**Office Building**



**R&D Facility**



## Designing Services



Every product goes through an effective Design Quality check and intensive Research & Development phase;

Making us the pioneers of developing wide range of Marine fenders and Offshore installation aids for every possible environmental condition.

# R&D and Testing Facility



## Dedicated Laboratory with Compression Testing Facility

### Major Test Equipment:

- Advanced Yerzley Oscilloscope
- Oscillating Disc Rheometer
- Tensile Test Machine
- Ozone Resistance Chamber
- Abrasion Resistance Test Machine
- Hardness Testing
- Compression Test



# Compression Testing Facility

- Standalone State of the Art Compression testing facility
- SWL : 20,000 kN
- Real-time test report based on Load cell data for Energy & Reaction force
- Capable of testing fenders up to 3000mm H
- Offers 3<sup>rd</sup> Party Fender testing services for any types of fenders to clients







# Certifications



**EN 1090 – 2:2018**



# **Manufacturers Capability Certificate**



**ISO : 9001,14001,45001, 3834**

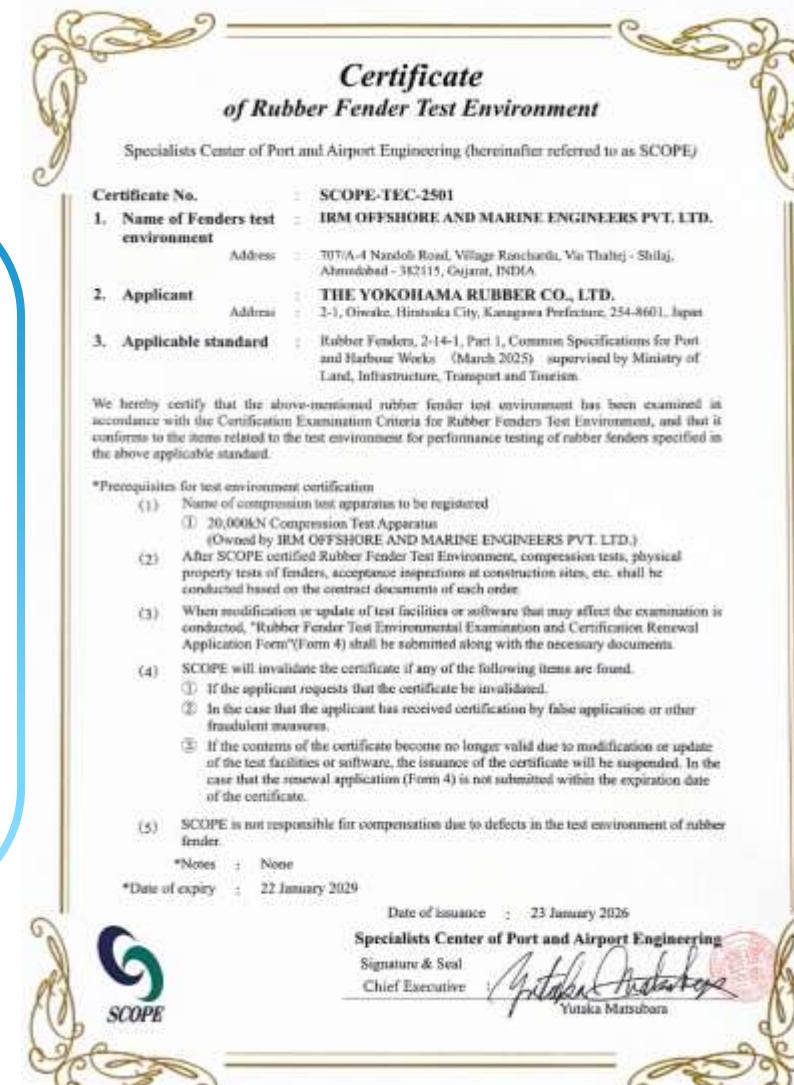


# SCOPE Japan Certifications



**Specialist Centre of Port  
Airport Engineering Japan**  
A leading expert body in port  
infrastructure engineering in  
Japan, whose standards and  
certifications are recognized for  
ensuring quality and  
compliance, including for the  
supply of marine fenders to  
Japanese ports

## Fender Test Environment Certification



## Approved Fender Quality Assessment



# Strategic Collaboration



IRMOME has collaborate with Yokohama Rubber Company to be OEM for supply of all types of Marine Fenders to Japanese Market





# IRMOME CERTIFICATIONS



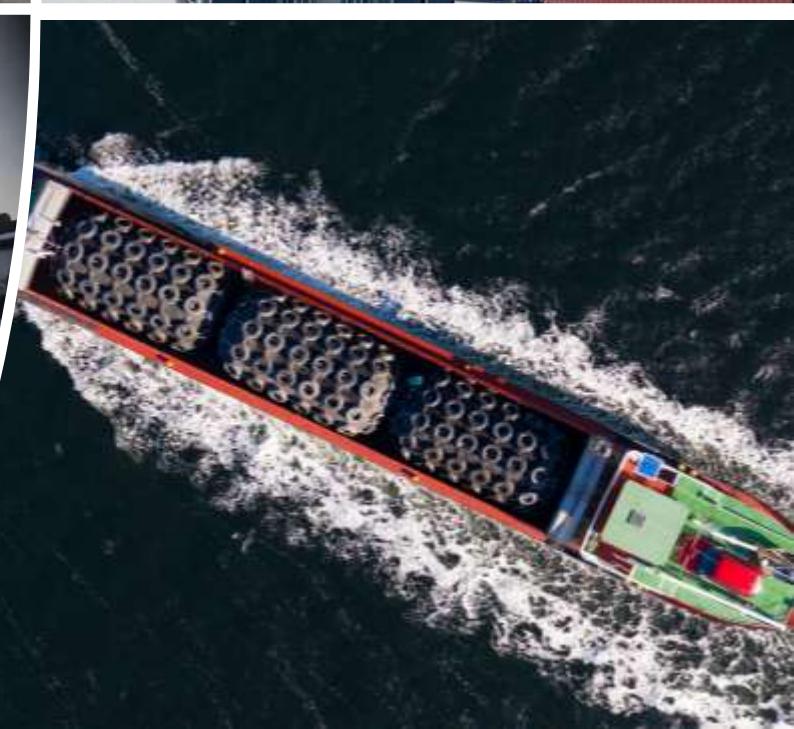
**BUREAU  
VERITAS**

Manufacturer's Capability Certificate

PLATINUM PARTNER of



# IRM Netherlands Stockyard



**IRM**

## Stockyard at Singapore



# Stockyard at Dubai, UAE



# After Sales Service

## SURVEY. INSTALLATION & MAINTENANCE

- To serve our clients better we also provide complete services, right from the site survey, designing, manufacturing, testing, supply & installation of products for port, harbors, jetties & offshore platforms.
- IRM has all the equipment & experienced technical staff to undertake the job of installation & maintenance and removal of fendering system at the various site conditions.

- ✓ Marine Fenders
- ✓ Floating Fenders
- ✓ Dock Accessories
- ✓ Boat Fenders
- ✓ Offshore Products





# List of Key Projects

**Project :** Multi-Purpose Terminal Quay wall – Safaga Port, Egypt

**Client :** General Authority for Red Sea Port

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**Product :** DCN 1400H – 33Sets, T-Head Bollard Cap. -200Ton – 36 Nos.



**Project :** Container terminal  
at WTC Colombo

**Client :** Colombo west  
international terminal X  
Adani

**Product :** DCN 2000H – 54  
Sets



**Project :**Berth 25, outer harbour port of Oakland, CA

**Client :**Vortex marine construction Inc for Port Of Oakland

**Product :**Element fender DIVE 1450H x 1000L - 17 Sets



**Project :**Nectar Bulk  
Terminal Berth Extension

**Client :**Eiffage Genie Civil  
Works

**Product :** Dual Cone Fender  
1400H – 10 Sets, 100T & 125T  
Bollards – 13 Sets



**Project :** VLCC Jetty at Mundra port

**Client :** Adani ports & SEZ

**Product :** DCN - Cone Fendering systems 2500H - 4 Sets



**Project :** Dominican Republic

**Client :** CDEEE

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**Product :** DCN 1400 H, 28 sets



**Project :** Nakilat Ship  
prepare yard

**Client :** Qatar Petroleum

**Product :** DC-2000, 124  
Sets, DAV-150, 16 Sets :  
Pneumatic fender DPN,  
27 Sets : Roller Fender  
DRF, 8 Sets



- **Project :** Panama Canal
- **Client :** Autoridad de canal de Panama
- **Product :** Arch Fenders DAV600 - 6980 Sets



**Project name :** Desfa LNG Terminal – Greece

**Client :** Tekal

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**Product :** Element Fendering System 2000H, 5 Sets



**Project :** Kanaaldok  
B3 Project At Belgium

**Client :** Herbosch Kiere NV

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**Product :** DCN 1400H, 9 Sets



**Project :** Vado Ligure  
Italy – Container Terminal

**Client :** APM Terminal

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**Product :** Cone fender : DCN  
1100H – 1300H – 1600H, 70  
**Sets :** Corner fenders, 6 Sets



**Project :** Halul Island

**Client :** Qatar Petroleum

**Product :** PNF  
3.300x6500M, 3 sets



**Project : LNG Terminal-Chile**

**Client : British gas**



**Product : DC 2250H**

**Quantity : 4 sets**

**IRM**



**Project :** Port Of ACU  
Brazil

**Client :** Port of ACU Dome  
Integrated Services

**Product :** DCN 1200H, 128  
sets



**Project :** Jebel Ali port Dubai

**Client :** DP World

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**Product :**  
DCN1100H,1200H, 122 Sets



- Project : Trigii Port, Estonia

- Product : 10 sets - DCN600H, : 22 sets - DCN400H, 5 sets - DCN350H



**Project :** Tanajib pier facility

**Client :** Saudi ARAMCO

**Product :** Arch Fenders  
DFTA-500, 825 sets



**Project :** Swan LNG Terminal

**Client :** SWAN Energy

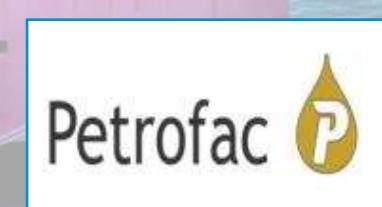
**Product :** DCN 2500H,  
15 sets



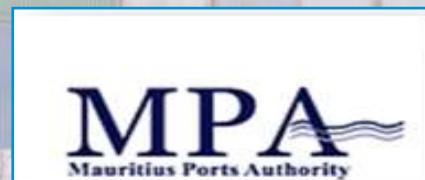
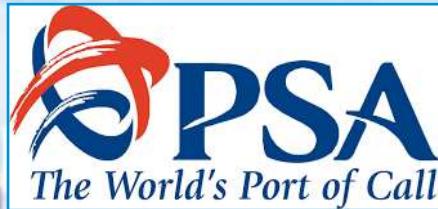


# Clients Worldwide

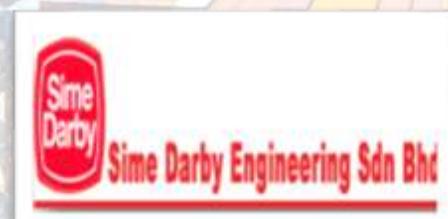
# Clientele



# Clientele



# Clientele



# Clientele







**Thank you**

*Total Solutions to  
Protect Your Structures*