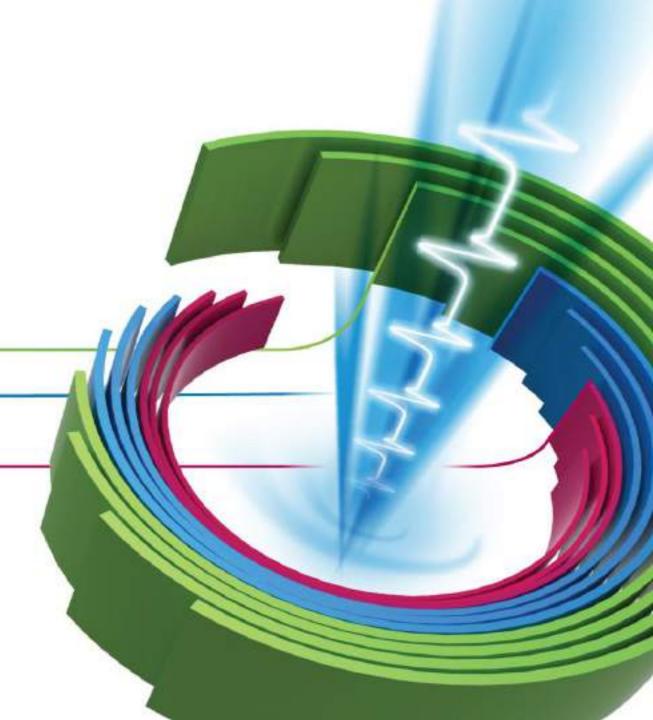
ENLIVENING WAREHOUSES









First Large Industrial House in India to enter the field of Intralogistics

Headquartered in Chennai, with a strong focus on International Market

Our Manufacturing facility is spread over 100,000 SQM



Comprehensive Product Portfolio

Pallet Racking Solutions



Selective



Mobile Racking



Drive-in



Double Deep



Pallet flow



Shuttle



High Bay



Push Back



ASRS

Comprehensive Product Portfolio

Shelving Solutions



Light Duty



Mobile Shelving



Medium Duty



Mobistack SmartO



Heavy Duty



Mobistack Duo



Mezzanine



Bin Flow

Design & Technology

Manufacturing

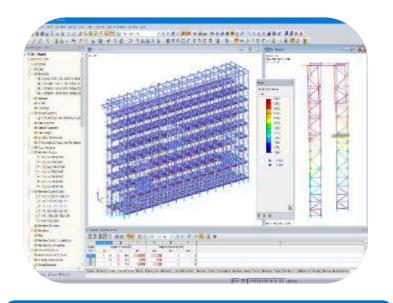
Installation

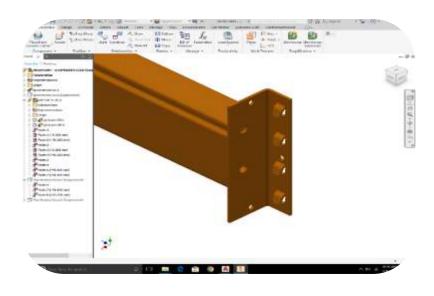
Design & Technology

Manufacturing

Installation

Our Core Technical capabilities







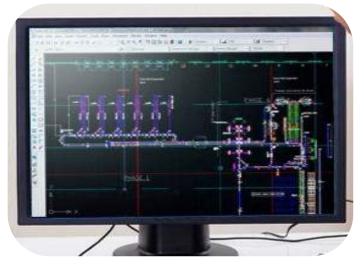
Structural Engineering













EN 15512

Steel static storage systems -Adjustable pallet racking systems -Principles for structural design



The Design of Static Steel Pallet Racking



The Design of Hand Loaded Static Steel Shelving



Recommendations for the Design of Static Steel Pallet Racking in Seismic Conditions

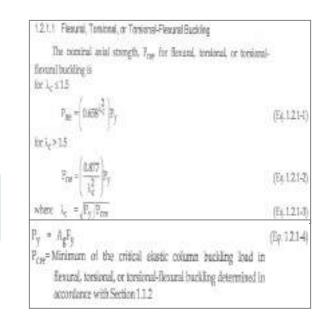


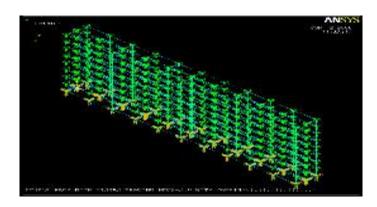
Code of Practice for the Design of Static Racking



Specification for the Design, Testing and Utilization of Industrial Steel Storage Racks









Software simulation & Analysis

Validation testing & Design by testing

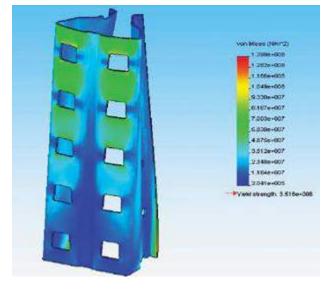


Fully equipped Research & Development Lab

Rack column range from 3 ton to 35 ton capacity

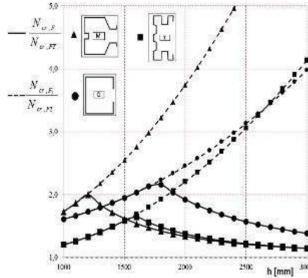
- Design & Testing complaint with all Global codes







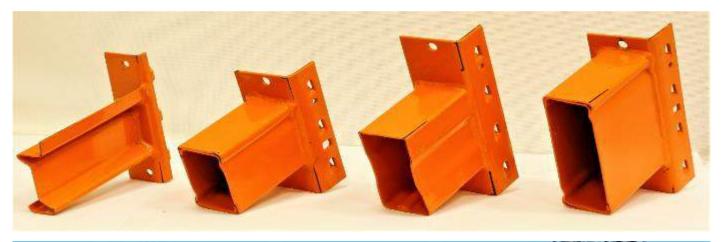


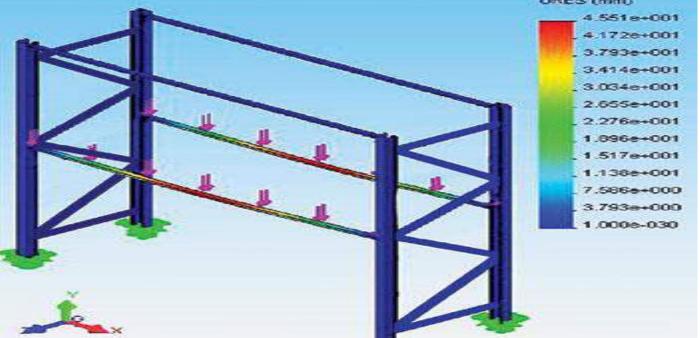




Most competitive Beam range in racking industry

(Highest Load – to – Steel content ratio)

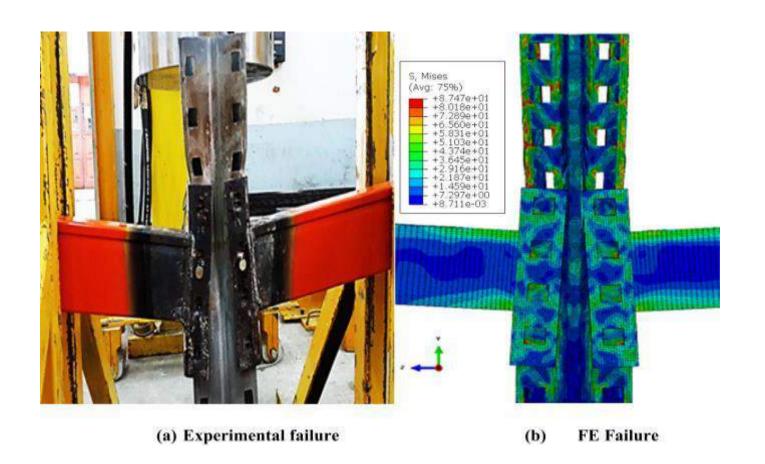








Column – Beam connection Design







Testing for Life: (Over and above code requirements)



Plain Walkway Panel



Perforated Walkway Panel

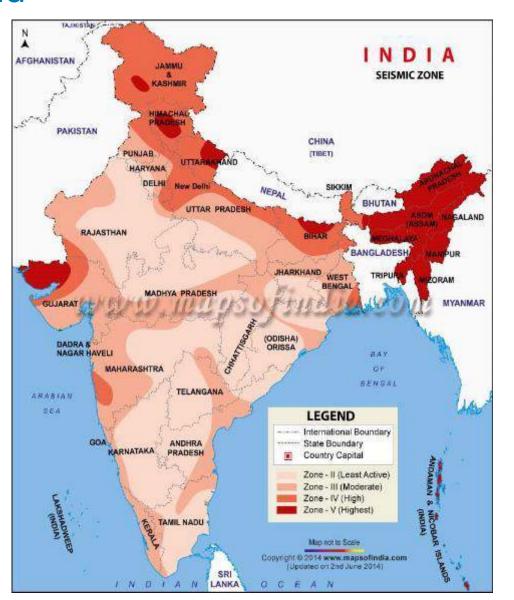


Beam Lip Connector

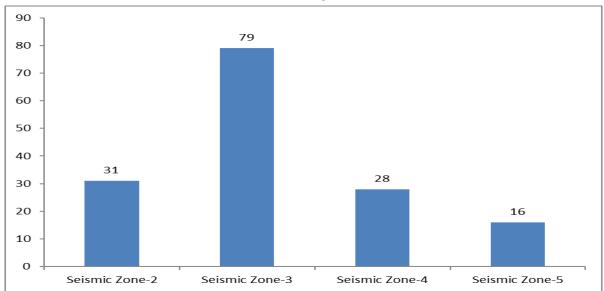


Mobistack Undercarriage

Capability to give Earthquake resistant Racking for highest seismic zones in world



154 Seismic installations in last 5 years

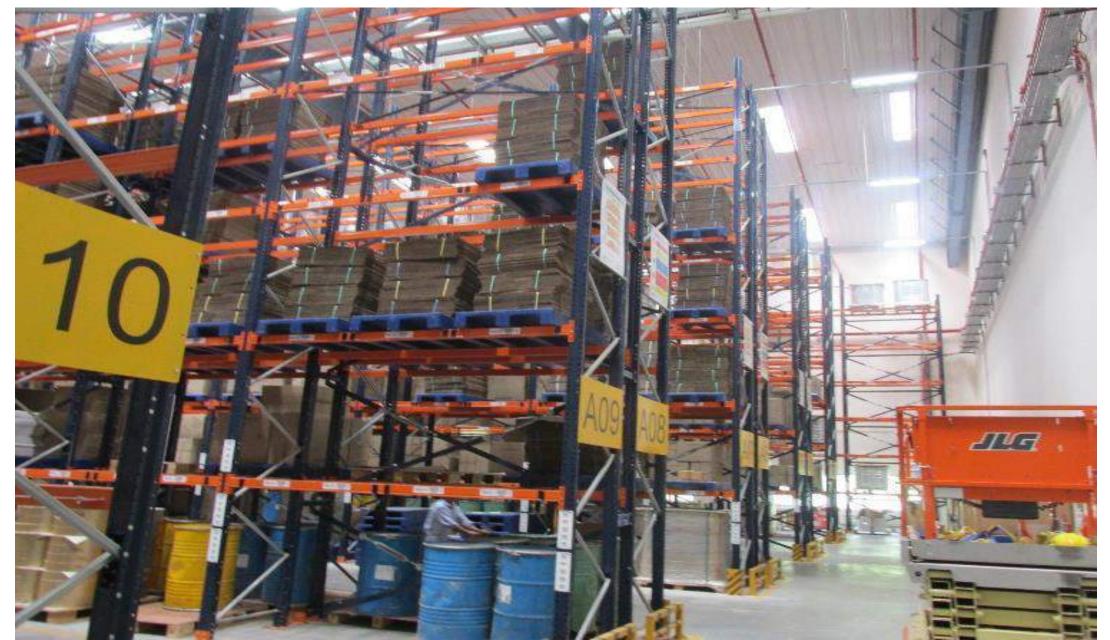


India: ITC, Reliance, Amazon, Zydus, Myntra,Volkswagon, P&G, Croda chemicals, PepsiInternational: ITC SuryaNepal, Dabur, Saihem

300 plus Installations standing strong

Godrej Racking fully functional after Nepal Earthquake

Richter scale:7.9 2 after shakes @ 6.8



Our calculations are vetted & certified by global experts





Dr. A.R Santhakumar

Advisor

Centre for Disaster
Mitigation Management





Steve Cowen

Tech. Committee Chairman SEMA, UK

Member of most Technical committees of SEMA / FEM / Euro codes





Colin Hinton

Tech. Committee Member, ERF, UK

Member of most Technical committees of SEMA / FEM / Euro codes





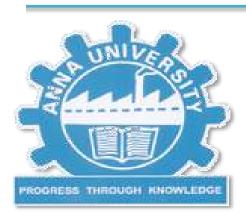
Stefano Sesana

Architect of FEM Seismic code

Seismic expert, Italy.

Our knowledge partners

INDIA



Anna University



IIT Madras



SERC Chennai

INTERNATIONAL







Only Racking Manufacturer in Asia with Euro code certification



CERTIFICATE OF SELECTIVE PALLET RACKING TESTS

Godney Storage Solutions, No. 1, SIDCO industrial Estate. Ambietter. Channal **Yamil Wash** INDIA-600 055

The product "Selective Pallet Racking" manufactured by Godrej Storage Solutions at Channal facility in India, was tested and its technical calculations evaluated by Cowen Associates Ltd., UK.

Various tests were conducted on the Pallet Racking components in accordance with the SEMA Code of Practice at Godrei R&D laboratory, a selection of the tests were witnessed by Cowen Associates Ltd.

A proportion of the tests were repeated at Cowen Associates Ltd. test facility at Shropshire - UK and at The University of Sheffield - UK



Shear capacity test on Beam and connector - Godrei



Joint Stiffness test on Deam and



Joint Stiffness test on Beam and connector - Cower Associates Ltd

Using the test data. The safe working loads have been calculated based on this steel used in the tests of guaranteed physical properties. The test results and calculations carried out in accordance with the SEMA Code of Practice have been recorded in the GSR reports and are available in the Godney Technical File for Selective Pallet Racking.

We confirm and certify that the product tests of the "Godrej Storage Solutions - Selective Pallet Racking range" and the Technical File are in accordance with the SEMA Code of Practice.

Cowen Associates Limited is an independent Civil and Structural Engineering consultancy compan specialising in storage products. Directors Steve Cowen and Colin Higgsn have extensive experience in this field and independently chair various technical committees of SEMA, ERF-FEM and CEN.

Steve Cowen

Director

Dam 27 11 , 2012

Colin Hinton Director

De 27, 11, 2012

Lundbrek, Donnington, Nr Wroxeter, Shrewsbury, Shropshire, SY5 6PT. United Kingdom Phone / Fax: +44 (0) 1952 740429

Email: stevecowen@aol.com







Cowen Associates Ltd

Chartered Civil & Structural Engineers

Specialists in Storage Product Design. Manufacture & Installation Technology





The University Sheffield.

Fully equipped Rack Structural Testing Lab accredited by Anna University for Ph.D level research





DIRECTOR

CENTRE FOR RESEARCH

ANNA UNIVERSITY CHENNAI - 600 025

Telegohome - +61-44-35500 736000 191-91-2220 1213

Date: 29.01.2019

Lr.No.IR/0010/R&D/AR2

The Principal Godrej and Boyce Mfg on Ltd,

No.1 SIDCO Industrial Estate Ambattur,

Chennai - 600098

SimMadam,

Sub : Anna University - Research centre recognition - R&D centre (Mechanical &Civil) - Renewal - Orders - Issued.

I am to inform that the recognition of R&D (Mechanical &Civil) centre of your organization has been renewed up to December 2021, as per "Common Ranawal Session" to do collaborative research programme with this University. The regular employees working in your organization with relevant UG/PG qualification may be permitted to register for M.S. (By Research) and Ph.D. programme respectively in this University under part-time mode as per the norms.

The recognized supervisors working in your R&D centre may be permitted to function as Joint Supervisor only, to carry out Ph.D. / M.S. (By Research) programme in the above R&D centre relevant to their field of specialization. Please refer *clause 7* of Ph.D./M.S. (By Research) Regulations.

The above recognition shall be renewed crice in three years in compliance with the required norms for research centre including the availability of two feculty members with Ph, D. Degree in the broad area of research.

In all future correspondence quote "5001000" for reference.

The next renewal application in the prescribed format available in our website: of announiv.edu along with the number of papers published in SCI Journals during the recognized period shall be made during December 2021 with a renewal fee on fulfilling the required norms.

Only Racking Manufacturer to receive 6 Design marks









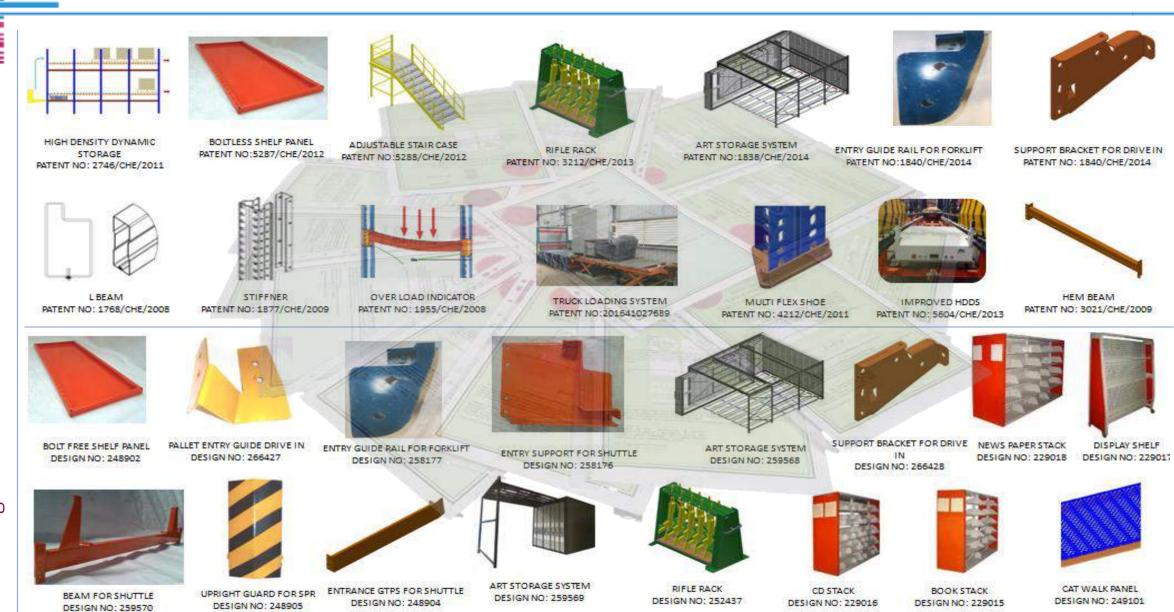
India Design Mark has been initiated in cooperation with Japan Institute of Design Promotion (JDP)



Registrations

Patents

Our IP Assets



Only Racking manufacturer to get INSDAG Structural design excellence award







Design & Technology

Manufacturing

Installation

Careful Selection of Raw material





Powder for surface coating

• Steel is carefully selected for application and controlled through stringent specification.

 Grades equivalent to SS490 and SS400 are used to ensure reliability of the product.

Only RoHS compliant steels are used.

Lead free powders are used for surface coatings

World Class Manufacturing Facility



Inhouse steel processing capability









3 powder coating booths – Maximum 12 m



Roll forming lines to meet European tolerance requirements





Auto welding facility

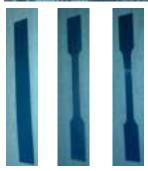
Stringent Quality Assurance Practices

Inhouse Raw Material and Powder Coating Test Labs

- Every coil is tested for its mechanical properties
- Absolute traceability from component to raw material













Hardness testing

Series of tests to ensure quality of surface coating

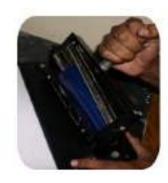
Powder Coating Testing Equipment











CONSCAL MANDREL TEST

Universal testing machine

Design & Technology

Manufacturing

Installation

Installation to Global Standards

Installation to meet stringent tolerance requirements (EN 15620)



Capability to handle multiple projects across the globe concurrently

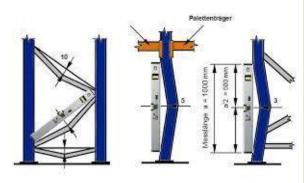


Life cycle support

Capability to conduct site audits as per EN 15635



EN 15635 - Steel static storage systems. Application and maintenance of storage equipment.



Training customers/users on warehouse safety











Setting up Audit program to ensure safety in operation





Remote diagnostic capability





Eminent Brands Who Trust Us



























































| STORAGE SOLUTIONS



Thank You...

For More Information: www.godrejstoragesolutions.com

