INSIGHT DESIGN
CONSULTANT

The Design For Engineering

Google 5.0 ★★★★★ Clutch 4.8 ★★★★★ 5.0 Trustpilot ★★★★★ Justdial ★★★★★

ADVANCE STRUCTURE ENGINEERING

CONSULTANCY

PROFILE



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"One man's 'magic' is another man's engineering." - Robert A. Heinlein

ABOUT

INSIGHT DESIGN CONSULTANT
The Design For Engineering

Founded in 2018, Insight Design Consultant, the engineering division of Techgenics Insight Engineering and Consulting Private Limited, specializes in Structural Design, Detail Engineering, BIM Modeling, and Engineering Consultancy services. We deliver safe, innovative, and cost-effective solutions for industrial, commercial, infrastructure, energy, and institutional projects. Our expertise covers RCC and structural steel design for high-rise buildings, industrial plants, warehouses, power plants, mining facilities, petrochemical projects, material handling systems, airports, metro infrastructure, and commercial developments. We provide end-to-end engineering services including structural analysis, seismic and wind analysis, FEA, connection design, optimization, detailed drawings, reinforcement detailing, BOQ/BOM preparation, and construction documentation. Leveraging advanced engineering software and BIM technologies, our experienced team ensures compliance with international standards while optimizing safety, quality, and project costs. From concept development to commissioning, we are committed to delivering sustainable, high-performance engineering solutions and long-term value to clients across diverse industries.

Our Mission : To provide innovative, reliable, and cost-effective Structural Design and Detail Engineering solutions that enhance safety, efficiency, and project performance. Through advanced engineering, BIM technologies, and technical excellence, we deliver high-quality designs and detailed engineering services that create lasting value while exceeding client expectations and supporting sustainable infrastructure development.

Our Vision: To be a leading global structural engineering consultancy, recognized for technical excellence, innovation, and sustainable design solutions, delivering value-driven engineering services that shape the future of infrastructure and industrial development.

08 YEARS OF EXCELLENCE



CORE SERVICES

INSIGHT DESIGN CONSULTANT

High Rise Structures

High-Rise Structures, RCC Design, Structural Steel Design, 3D Structural Modeling, Wind Analysis, Seismic Analysis, FEA, Structural Detailing, Reinforcement Detailing, Connection Design, Foundation Design etc..

Industrial Structures

Industrial Structures, Structural Steel Design, RCC Design, Heavy Equipment Structures, Conveyor Galleries, Transfer Towers, Pipe Racks, Piping Galleries, Equipment Platforms, Industrial Sheds, Warehouses, Process Buildings, Structural Analysis, FEA etc..

Retrofitting Structure

Retrofitting Structures, Structural Assessment, Rehabilitation Design, Seismic Strengthening, RCC & Steel Upgradation, Load Capacity Enhancement, FEA Analysis, Repair Solutions, Stability Evaluation, Structural Restoration etc..

3D Modeling & Analysis

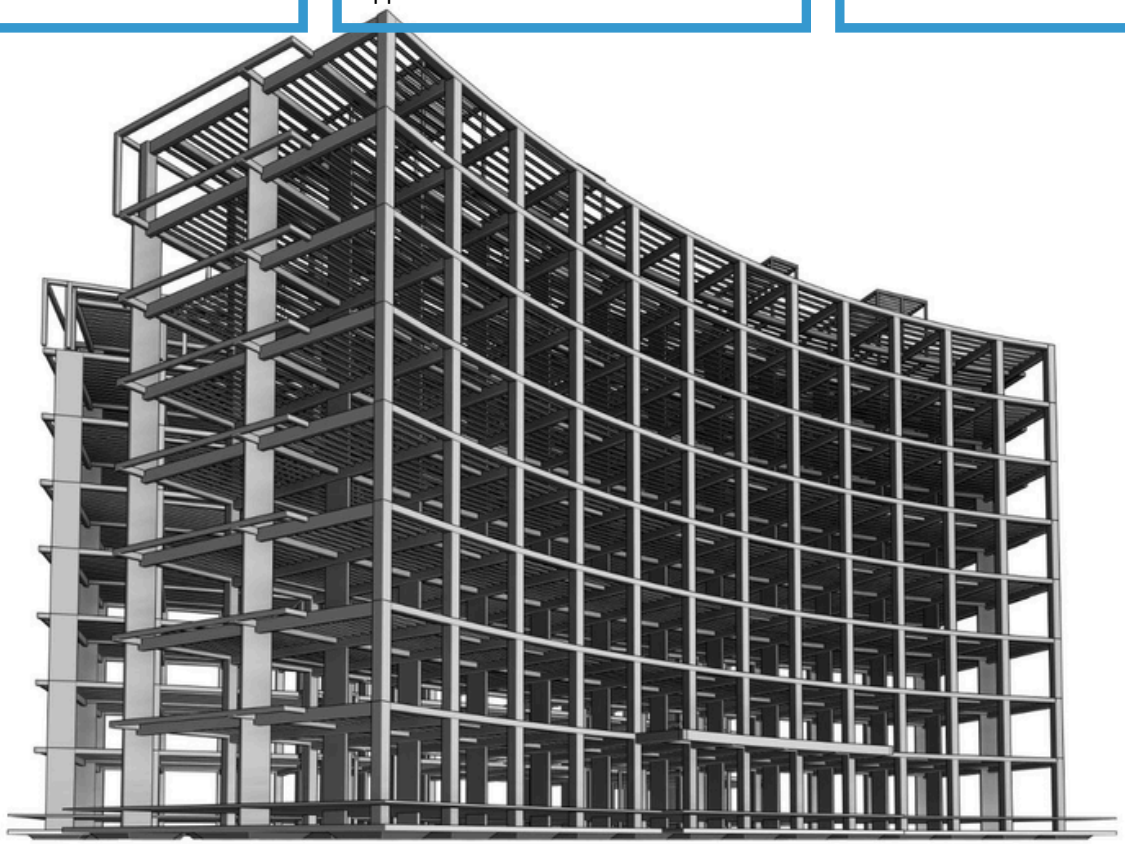
3D Modeling & Analysis, Structural Modeling, Finite Element Analysis (FEA), Stress Analysis, Load Simulation, Design Validation, Structural Optimization, Dynamic Analysis, Engineering Calculations, Performance Evaluation, and Detailed Engineering Solutions.

Structural Shop

Structural Shop Drawings, Fabrication Drawings, Steel Detailing, RCC Detailing, Connection Details, Reinforcement Drawings, Erection Drawings, Material Take-Offs, BOM Preparation, Construction Documentation, and Detailed Engineering Support.

Consulting

Structural Engineering Consulting, Design Review, Design Verification, Feasibility Studies, Value Engineering, Structural Assessment, Load Analysis, Seismic & Wind Analysis, Construction Support, Technical Advisory, Code Compliance, and Engineering Solutions.



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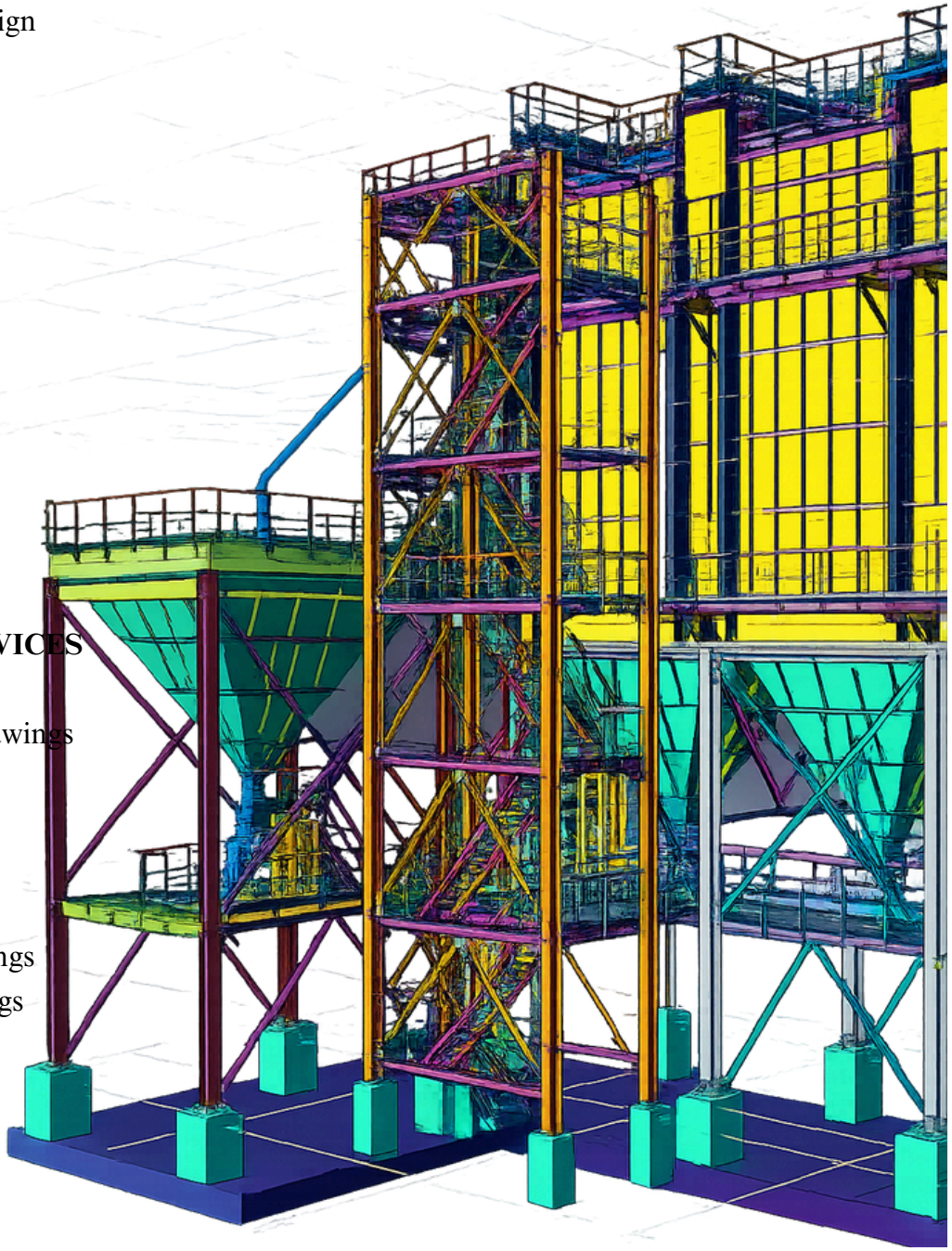
SERVICES IN DETAIL

INSIGHT DESIGN CONSULTANT

Insight Design Consultant is a premier engineering consultancy specializing in advanced structural design, structural analysis, detailing, and detailed engineering services for industrial, commercial, infrastructure, energy, and institutional projects. Our multidisciplinary team delivers innovative, safe, economical, and code-compliant engineering solutions from concept development to construction support.

ENGINEERING DESIGN AND ANALYSIS SERVICES

- Structural Calculations and Design
- Design Verification and Review
- Load Analysis
- Wind Load Analysis
- Seismic Analysis
- Finite Element Analysis (FEA)
- Dynamic Analysis
- Stability Assessment
- Structural Optimization
- Connection Design
- Value Engineering
- Structural Safety Evaluation
- Structural Retrofitting



DETAILED ENGINEERING SERVICES

- Structural Layout Drawings
- General Arrangement (GA) Drawings
- Fabrication Drawings
- Erection Drawings
- Shop Drawings
- Structural Connection Details
- Reinforcement Detailing Drawings
- Foundation Design and Drawings
- As-Built Drawings
- Bill of Quantities (BOQ)
- Bill of Materials (BOM)
- Material Take-Offs (MTO)
- Construction Documentation
- Design Reports and Calculation Sheets
- Technical Specifications
- Engineering Review and Approval Documents
- Tender and Bid Support Documentation
- Construction Support and Site Engineering Services

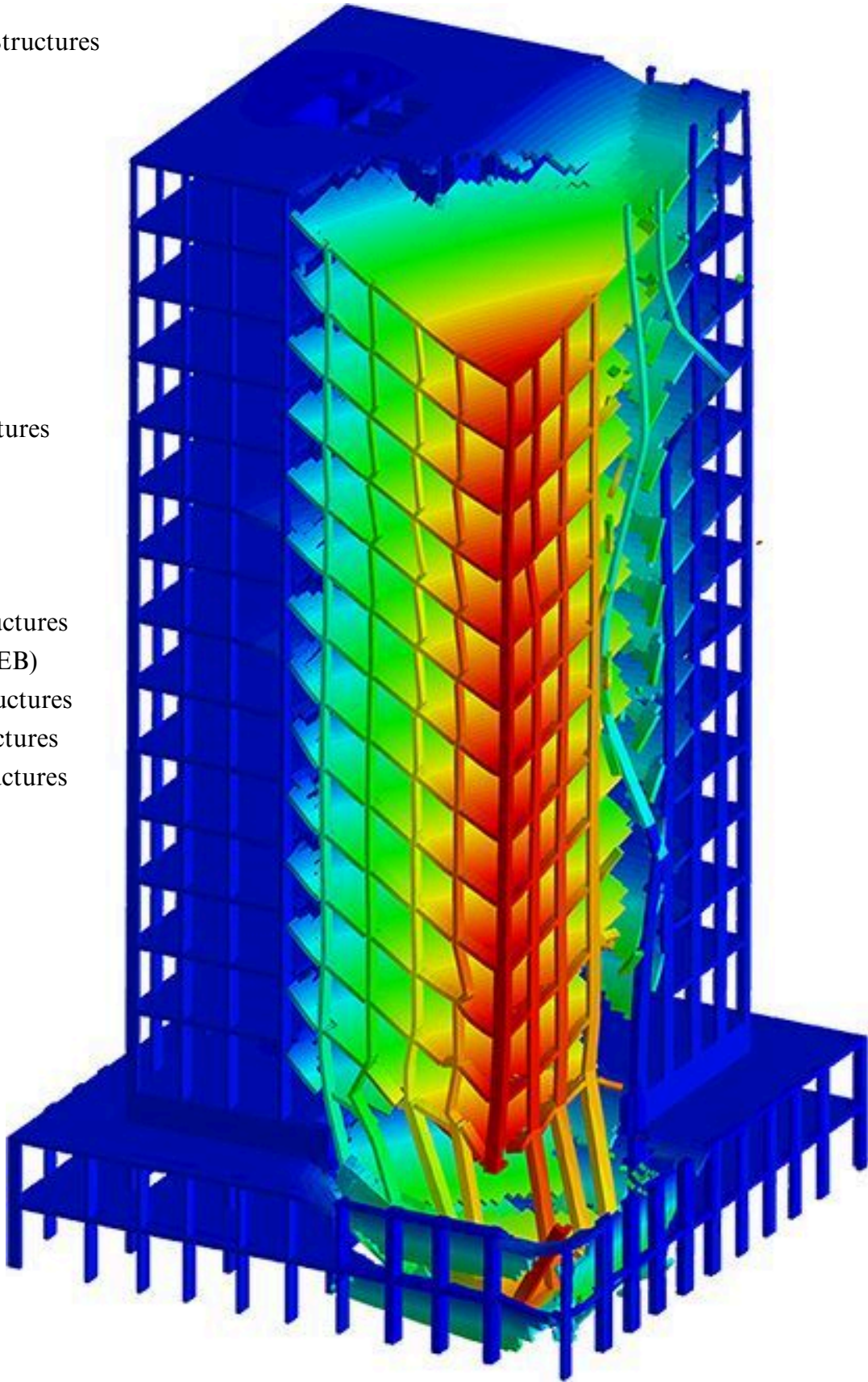
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OUR SERVICES EXPERTISE

INSIGHT DESIGN CONSULTANT

Our Structural Engineering Expertise

- RCC (Reinforced Cement Concrete) Structural Design
- Structural Steel Design
- High-Rise Building Structures
- Industrial Plant Structures
- Heavy Equipment Support Structures
- Conveyor Galleries
- Transfer Towers
- Piping Galleries
- Pipe Racks
- Equipment Platforms
- Machinery Foundations
- Industrial Shed Structures
- Warehouse Structures
- Process Buildings
- Petrochemical Facility Structures
- Power Plant Structures
- Cement Plant Structures
- Steel Plant Structures
- Mining Industry Structures
- Bulk Material Handling Structures
- Pre-Engineered Buildings (PEB)
- Solar Module Mounting Structures
- Rooftop Solar Support Structures
- Ground-Mounted Solar Structures
- Convention Centers
- Exhibition Halls
- Petrol Pump Canopies
- Commercial Complexes
- Institutional Buildings



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TECHNOLOGY PARTNER

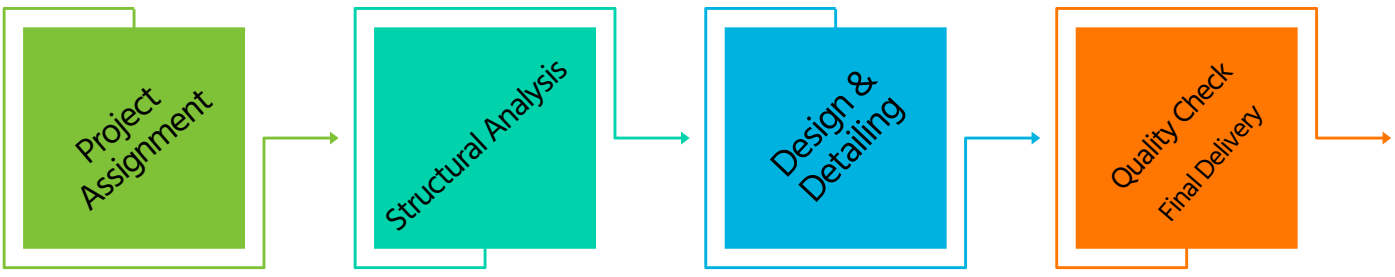
INSIGHT DESIGN CONSULTANT

Software Tools & Technology Stack

Insight Design Consultant leverages industry-leading software platforms to deliver precise, code-compliant, and efficient structural designs:

Software / Tool	Application in Structural Services	Output Format
1.Tekla Structures	Advanced 3D steel detailing, connection design, fabrication drawings	DWG / IFC / PDF
2.Autodesk Revit	3D structural BIM modeling, coordination, interference checks	RVT / DWG / NWC
3.AutoCAD	2D structural drafting, layout drawings, shop drawings	DWG / DXF / PDF
4.STAAD.Pro	Structural analysis & design, load combinations, code compliance	Analysis Reports
5.ETABS	High-rise building analysis, seismic & wind load evaluation	Design Reports

Structural Engineering Design Process



OUR STRENGTH

INSIGHT DESIGN CONSULTANT

Why Choose Insight Design Consultant?

- Advanced Infrastructure: Equipped with high-performance computing systems, cloud-based storage, and secure backup solutions for reliable project execution.
- Latest Engineering Software: Expertise in Revit, AutoCAD, MicroStation, STAAD.Pro, Tekla, ETABS delivering outputs in multiple industry-standard formats.
- Cost-Effective Solutions: Competitive pricing and optimized workflows provide significant savings compared to maintaining in-house engineering teams.
- Flexible Technology Adoption: Capable of working with client-preferred software platforms to enhance project efficiency and compatibility.
- Confidential & Secure: Strict NDA policies and robust data protection measures ensure complete confidentiality of client information.
- Dedicated Project Management: A single point of contact ensures clear communication, faster decision-making, and effective project coordination.
- Assured Quality: ISO 9001:2015 quality management practices and multi-level review processes guarantee accurate and compliant deliverables.
- Integrated Engineering Support
- Experienced Engineering Team: Skilled professionals with extensive experience across industrial, commercial, infrastructure, and specialized engineering projects.
- On-Time Delivery Commitment: Structured project planning and resource management ensure timely completion without compromising quality.

Our Team Strength & Experience

- Experienced Engineering Workforce: Our team consists of highly qualified engineers, designers, and drafting professionals with diverse expertise in structural and mechanical engineering projects.
- Expert Leadership: Senior engineering experts, including Chartered Engineers and technical specialists, possess more than 20 years of industry experience in structural design, mechanical engineering, industrial projects, and engineering consultancy.
- Qualified Professionals: Core technical personnel include Ph.D. holders from IITs and M.Tech graduates from BITS Pilani and other reputed institutions, providing a strong foundation of technical excellence and innovation.
- Skilled Drafting & BIM Team: Our drafting and detailing professionals have an average of 5+ years of experience in CAD drafting, BIM modeling, fabrication detailing, and construction documentation.
- Structural & Mechanical Expertise: Extensive experience in RCC structures, steel structures, industrial plants, heavy equipment foundations, conveyor galleries, piping structures, machine support systems, CFD, FEA, and advanced engineering analysis.
- Proven Project Delivery: Successfully supporting projects across power, mining, steel, cement, manufacturing, infrastructure, commercial, and industrial sectors.
- Continuous Learning & Innovation: Our team continuously adopts the latest engineering practices, software technologies, and international standards to deliver optimized and reliable engineering solutions.

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OUR PRESENCE

INSIGHT DESIGN CONSULTANT



INSIGHT DESIGN CONSULTANT

The Design For Engineering

TECHGENICS INSIGHT ENGINEERINGAND CONSULTING PRIVATE LIMITED

CIN: :U72900JH2022PTC019637 GSTIN: 20AAJCT8111H1ZM

An ISO 9001: 2015 Certify Company

SOME OF KEY CLIENT

मेकॉन लिमिटेड (भारत सरकार का संस्थान) MECON Limited (A GOVT. OF INDIA ENTERPRISE)

JINDAL STEEL & POWER

MSP GROUP AN INTEGRATED STEEL PLANT

TATA STEEL WeAlsoMakeTomorrow

vedanta transforming for good POWER

VISA STEEL

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