

DEX

TIMBER
SOLUTIONS

DESIGNING STRENGTH DETAILING SUCCESS

Architecture dreams.
Engineered realities 



OUR TECHNICAL PARTNER



S&J Engineering Services is a team of Structural design Engineers based in Chennai, India. Making use of the advancements in technology. We bring about optimized solutions and develop designs that are engineered to your precise requirements. The essence of the team comes from their aspiring career background and varied interests in Engineering. Our passion for engineering and our trust in teamwork drive our minds to complete projects around the world.

REALIZING YOUR IDEAS



ABOUT OUR COMPANY

Welcome to **Dex Timber Solutions Pvt. Ltd.**, a leading provider of innovative and reliable structural engineering solutions.

Backed by a team of experienced engineers, cutting-edge technology, and a commitment to excellence, we take pride in turning complex structural challenges into practical, cost-effective solutions. Our approach combines technical expertise with a deep understanding of construction dynamics, ensuring that every project we undertake meets the highest standards of safety, performance, and durability.

At **DEX**, we believe that the strength of any structure lies in the strength of its foundation — both technically and professionally. Whether it's new construction, renovation, or retrofitting, we are your trusted partners in engineering success.



MEET OUR DIRECTOR

His journey began with a Diploma in Civil Engineering (2009) and has been enriched through roles as a Junior Engineer, Project Engineer, and later as a Design Engineer. He holds a Bachelor's degree in Civil Engineering (2013) and a Master's degree in Structural Engineering (M.Tech, 2016).

Currently he is working as an Engineering Consultant at Venturer and S&J Engineering Services, where he contributes to diverse engineering projects across multiple sectors including:

- Power Plants
- Paint & Final Assembly Plants
- Edible Oil Plants
- LPG Bottling Plants
- Pre-Engineered Buildings (PEBs)
- Long-Span Trusses & Equipment Support Structures
- Commercial & Residential Buildings
- Schools, Community Halls, and Apartment Complexes
- Chimneys, Overhead & Process Tanks
- Sewage Treatment Plants (STPs) and Effluent Treatment Plants (ETPs)



SURESH G

He is Experienced and results-driven Structural Engineer with over 13 years of expertise in the design, analysis, and execution of a wide range of structural systems including RCC, steel, timber and glass structures. He is specialized in structural element design, connection detailing, and have a strong background in both steel fabrication and RC construction.

He brings hands-on experience in structural analysis using STAAD Pro, detailed design calculations using Excel, construction drawing preparation, and BOQ development. Mr. Suresh is very well known for a diplomatic approach, attention to detail, and a commitment to delivering safe, efficient, and cost-effective structural solutions.



VISION & MISSION

Vision

To be a leading structural engineering company recognized for innovation, technical excellence, and a lasting contribution to safe, sustainable, and future-ready infrastructure worldwide.

- ★ Upholding the highest standards of ethics, quality, and professionalism
- ★ Building long-term partnerships through trust, integrity, and performance

Mission

Our mission is to provide high-quality, reliable, and efficient structural engineering solutions that ensure the safety, durability, and performance of every structure we design.

- ★ Delivering value-driven engineering services tailored to client needs
- ★ Embracing cutting-edge technology and sustainable practices

OUR SERVICES



Steel Design and Detailing (LOD 350)

We offer comprehensive steel design and detailing services (upto LOD 350) based on client requirement that form the backbone of safe, efficient, and cost-effective steel structures. Our capabilities cover both the Preliminary Engineering and Main Engineering phases, ensuring accuracy, coordination, and constructability from concept to construction.



Timber Design and Detailing (LOD 350)

We specialize in delivering precise and code-compliant timber design and detailing solutions (upto LOD 350) that bring natural materials into modern structural design. Our services span both the Preliminary Engineering phase and the Main Engineering phase, supporting architects, builders, and fabricators throughout the project.



NDT Services

We offer specialized Non-Destructive Testing (NDT) services as a vital part of our structural assessment and quality assurance solutions. NDT allows us to evaluate the integrity and properties of materials, components, and structures without causing any damage, ensuring safety, compliance, and performance throughout the project lifecycle.

OUR SERVICES



Wood Import & Export Services

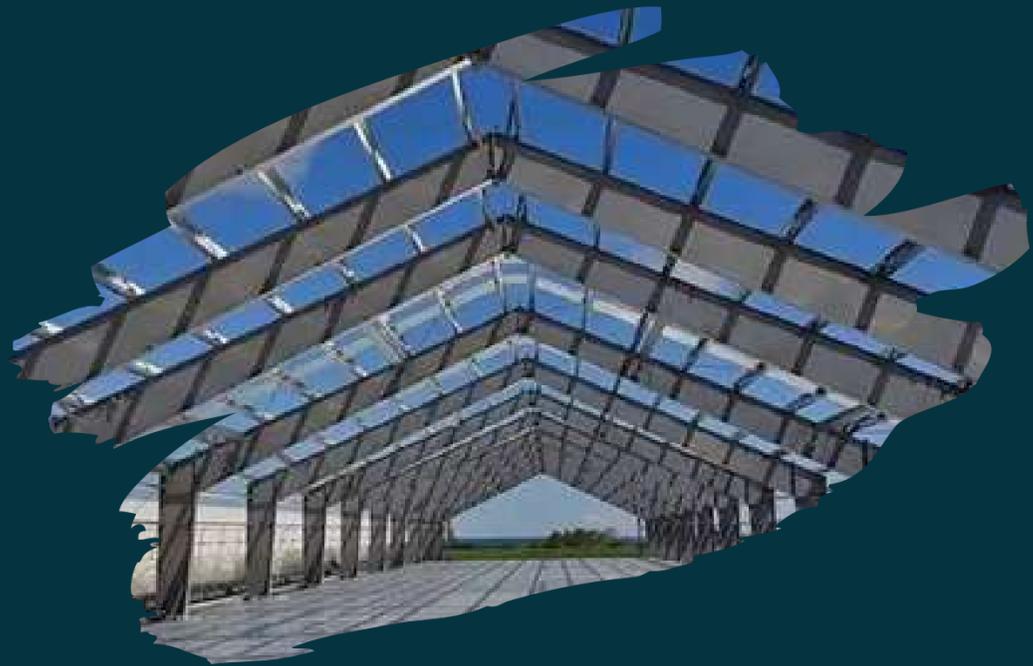
We specialize in the import and export of high-quality wood and timber products, catering to the construction, furniture, interior design, and industrial sectors. With a strong global network and a commitment to quality, we provide a wide range of wood species and products sourced from certified, sustainable forests around the world.



Installation Drawings, Methodology & Technical Support

We provide end-to-end engineering documentation and support services to ensure the accurate installation, long-term performance, and safety of structural systems and components. Our services include detailed installation drawings, method statements, treatment specifications, and on-site or off-site technical support.

OUR SERVICES



Pre-Bidding Analysis

We offer comprehensive Pre-Bidding Analysis Services such as

- Tender Document Review
- Technical Feasibility Study
- Cost Estimation & Quantity Take-Offs
- Risk Assessment & Mitigation Planning
- Preliminary Design & Value Engineering
- Construction Methodology & Timeline Planning
- Partner & Vendor Evaluation



Site Visit & Instant Solution Service

We understand that construction sites are fast-paced environments where real-time decisions can make a significant difference. That's why we offer on-demand site visits by experienced engineers and technical specialists to provide instant, practical solutions for challenges encountered during execution.



Software training

We offer professional software training for your employees on a service basis—customized to fit your project needs, timelines, and team skill levels. Whether you're adopting new tools or looking to upskill your workforce, our industry-focused training modules ensure your team gets hands-on, practical knowledge of leading construction and project management software.

COMPANY OVERVIEW



5+
**STATE GOVERNMENT
PROJECTS**
5+
**CENTRAL
GOVERNMENT
PROJECTS**

100+
HAPPY CLIENTS

**ISO-CERTIFIED
PROCESSES &
SAFETY
STANDARDS**

200+
PEB PROJECTS
25+
**MET STRUCTURES
GLOBALLY**

13+
**YEARS OF
EXPERIENCE IN
THE
CONSTRUCTION
INDUSTRY**

500+
**SUCCESSFUL
COMPLETED
PROJECTS**

PROJECT HIGHLIGHTS BY CATEGORY



**COMMERCIAL
BUILDINGS**

**HOSPITALITY
BUILDINGS**

**RESIDENTIAL
BUILDINGS**

**INSTITUTIONAL
BUILDINGS**

**INDUSTRIAL
BUILDINGS**

OUR COMPLETED PROJECTS

THE PROJECT WE WORKED ON IN COLLABORATION WITH HECS HAS BEEN FEATURED IN "THE HINDU"

Chennai Metrowater adds another sewage treatment plant to restore Villivakkam lake, supply recycled water

Published - July 22, 2025 12:19 am IST - CHENNAI

K. LAKSHMI



Chennai Metrowater will add one more sewage treatment plant with ultra filtration unit at Villivakkam by September. This would help rejuvenate Villivakkam lake and supply treated water for non-potable purposes through tankers.

The upcoming Rs.17.90 crore plant would align with Chennai Metrowater's mission to shift towards the circular water economy where wastewater is recycled to minimise freshwater consumption.

With a capacity to treat five million litres a day (mld) of sewage, a tertiary treatment plant using ultrafiltration (TTUF) is being established to maintain the standard of reclaimed water for potable use. Officials of the Metrowater recalled that the project was rolled out under Singara Chennai 2.0 as part of the restoration plan of the Villivakkam lake. This followed a directive of the National Green Tribunal.

Nearly 75% of the work to construct a plant has been completed so far on a three-acre site near the lake. It would collect sewage from SIDCO Nagar pumping station, treat it and use a portion of treated water for gardening. The remaining recycled water would be disinfected by the ozonation process and discharged into Villivakkam lake.

Residents of Villivakkam noted that it was a welcome initiative to restore the lake, which was heavily polluted. However, the project to rejuvenate the lake with recreational facilities is yet to be completed. G.Rajagopalan, a resident of Sannithi Street, Villivakkam, said the water agency must also improve the sewer infrastructure in SIDCO Nagar and streets like Kulakkarai Street to prevent sewage overflow.

The water agency also plans to construct a filling point near the site to supply treated water for non-potable purposes, including construction, laundry and automotive washing, through lorries.

Listing out advantages of membrane bioreactor technology in the upcoming STP, J.R. Moses, Chief Executive Officer, Hubert Enviro Care Systems, which is implementing the project, said it had more advantages over conventional systems as it delivered better wastewater quality suitable for direct reuse and produced less sludge.

This compact technology boasts a reduced footprint, making it ideal for urban areas with limited space. It can be highly automated, simplifying operations and maintenance, he said.

The water agency looks to construct more such plants to recharge water bodies and increase the source for domestic supply. There are plans to step up the treatment capacity to 10 mld at Villivakkam in the next phase.

Published - July 22, 2025 12:19 am IST

Work on sewage treatment plant in Villivakkam nears completion

The ₹179-crore project was launched in line with the Metrowater's goal to make a transition towards a circular water economy and recycle wastewater to reduce freshwater consumption; the work is expected to be completed by September

WATER WATCH

K. Lakshmi
CHENNAI

Nearly 75% of the work to construct a sewage treatment plant near Villivakkam lake has been completed so far. The work is expected to be completed by September.

With the new sewage treatment plant equipped with an ultra filtration unit, which is coming up on a three-acre site near the lake, the Chennai Metrowater aims to rejuvenate the waterbody and supply treated water (for non-potable purposes) through tankers.

Circular water economy
The ₹179-crore project is in line with the Metrowater's mission to make a transition towards a circular water economy and recycle wastewater to reduce the consumption of freshwater.

With a capacity to treat five million litres a day (mld) of sewage, the tertiary treatment plant using ultrafiltration (TTUF) is be-



Rejuvenation effort: The sewage treatment plant equipped with an ultra filtration unit is coming up on a three-acre site near the Villivakkam lake. SPECIAL ARRANGEMENT

ing established at Villivakkam with the aim of maintaining the standard of reclaimed water for potable use.

Officials of the Metrowater said that the project was rolled out under Singara Chennai 2.0, based on a directive of the National Green Tribunal and as part of an initiative to restore and rejuvenate the Villivak-

The project was rolled out under Singara Chennai 2.0

kam lake. The sewage treatment plant would collect sewage from the SIDCO Nagar pumping station and use a certain quantity of the treated water for gardening purposes.

And the rest of the treat-

ment would be disinfected through the ozonation process and discharged into Villivakkam lake.

G. Rajagopalan, a resident of Sannithi Street, Villivakkam, urged the Metrowater to improve the sewer infrastructure on SIDCO Nagar and other areas to prevent sewage overflow.

Since the sewage treatment plant is equipped with the membrane bioreactor technology, it would be able to efficiently treat wastewater and make it suitable for direct reuse, besides reducing the amount of sludge produced, said J.R. Moses, Chief Executive Officer, Hubert Enviro Care Systems (which is implementing the project).

This compact technology also reduces footprint, making it ideal for urban areas with limited space.

It can be highly automated, simplifying operations and maintenance, he said.

Metrowater plans to set up more such plants to recharge other waterbodies. Further, plans are also afoot to step up the treatment capacity by five mld at Villivakkam.

ed water would be disinfected through the ozonation process and discharged into Villivakkam lake.

'Welcome move'

Residents of Villivakkam welcomed the initiative to restore the heavily polluted lake.

However, they pointed out that the project to

OUR COMPLETED PROJECTS

DESIGN AND DETAILING

GAZEBOO – SIKKIM



PATINA CABANA – MALDIVES



OUR COMPLETED PROJECTS

DESIGN AND DETAILING

PATINA GYM - MALDIVES



OUR COMPLETED PROJECTS

DESIGN AND DETAILING

ARRIVAL PAVILION – MALDIEVES



OUR COMPLETED PROJECTS

DESIGN AND DETAILING

SHELL RETAIL STORE AT
MARAIMALAINAGAR, CHENNAI

LANGKAWI – MALAYSIA

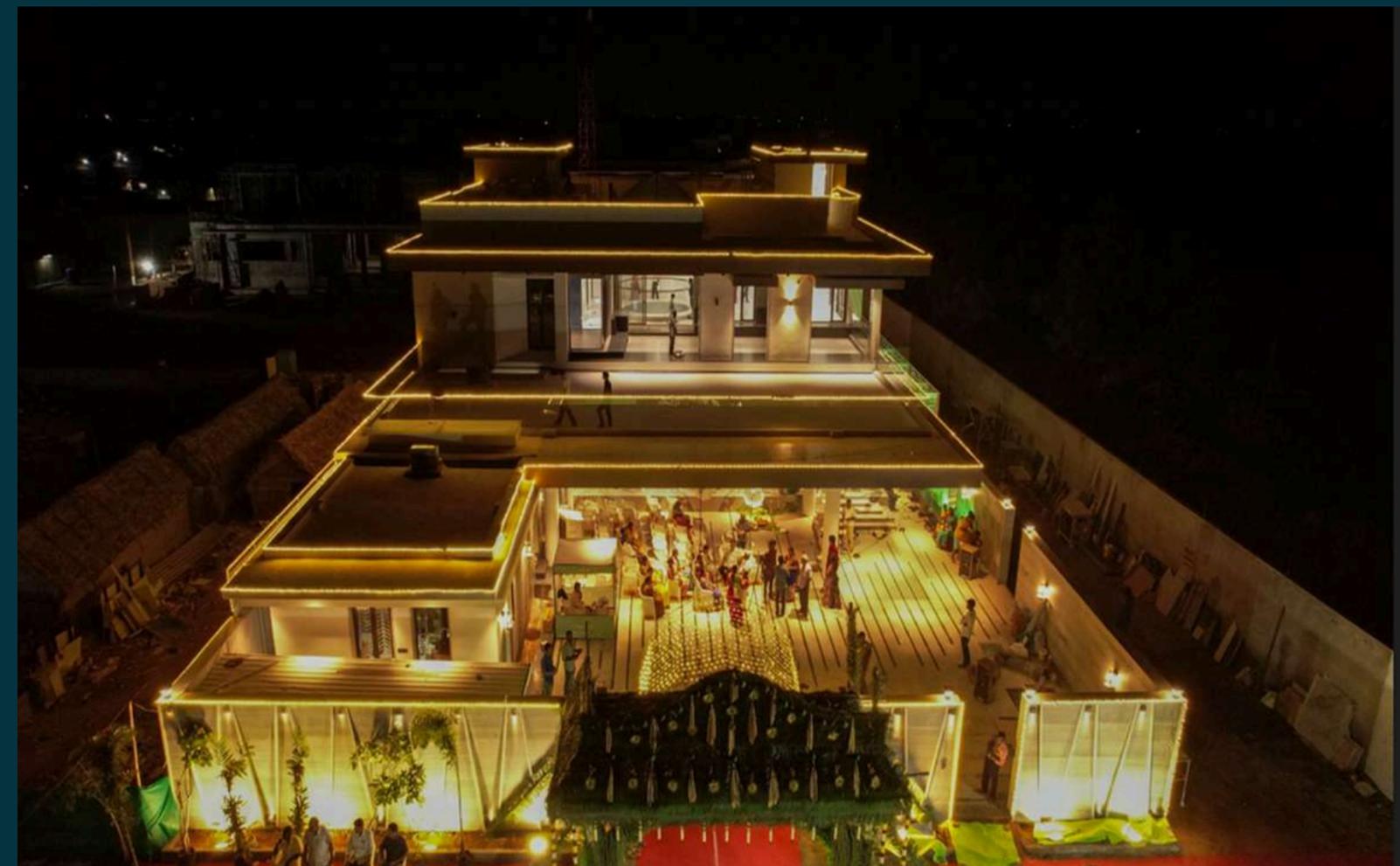
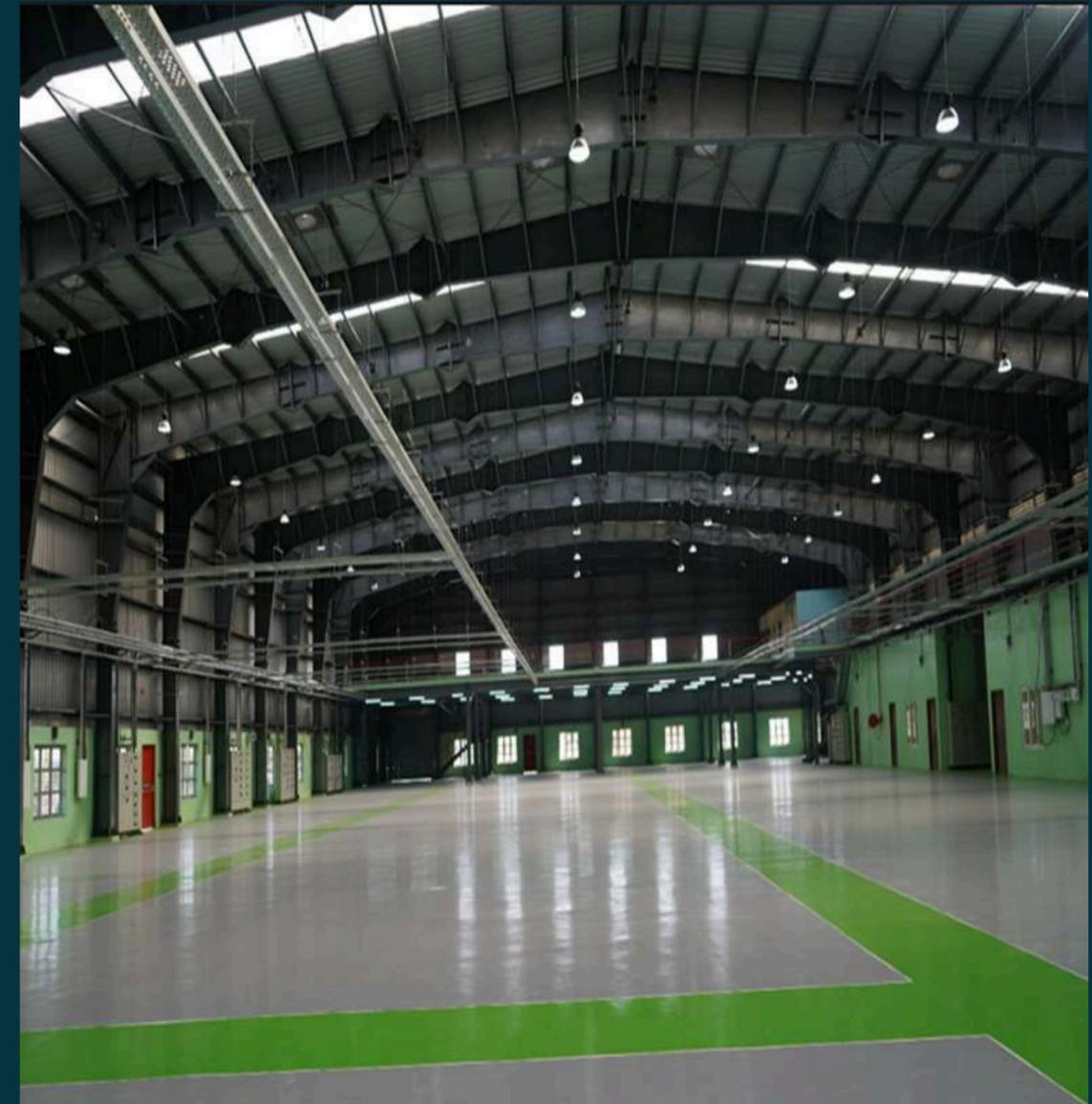


OUR COMPLETED PROJECTS

DESIGN AND DETAILING

RC STRUCTURE/BUILDING,30,000SQ.FT

BALU AUTO COMPONENTS



OUR COMPLETED PROJECTS

DESIGN AND DETAILING

BALU AUTO COMPONENTS



MGM EDIBLE OIL PLANT



OUR COMPLETED PROJECTS

DESIGN AND DETAILING



BOTTLING PLANT ,IPPL

OUR COMPLETED PROJECTS

DESIGN AND DETAILING

RESIDENTIAL BUILDINGS, TIRUPPUR



OUR COMPLETED PROJECTS

DESIGN AND DETAILING

RESIDENTIAL BUILDINGS, TIRUPPUR



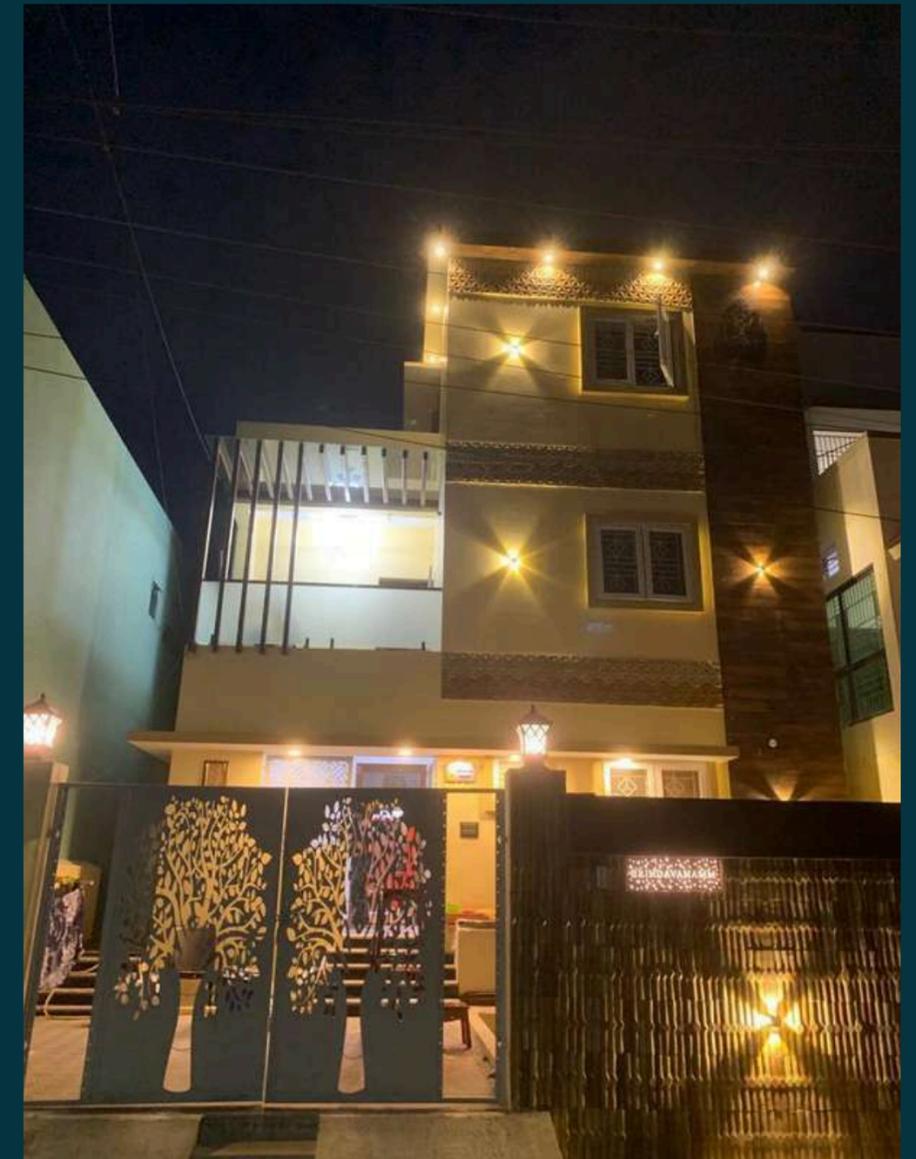
PROPOSED VILLA, TAMBARAM, CHENNAI



OUR COMPLETED PROJECTS

DESIGN AND DETAILING AND EXECUTION

AMBATTUR, MMDA, CHENNAI



OUR CLIENTS



FUTURE PLANS



Offer expertise in high-rise, seismic-resistant, and smart buildings



Integrate Building Information Modeling (BIM) in Higher Levels



Expand operations to international markets in the Middle East, Africa, or Southeast Asia.



TESTIMONIALS

“During our tenure with S&J Engineering works, We found them to be a dependable agency for engineering consultancy, Structural design, providing technical details for circumstantial situations and quality of work. The factory and allied structures were constructed based on inspections. The work have been done responsibly and with proficiency.”

-Balu Autocomponents, Uthakadu, Kanchipuram, India

"S&J Engineering Services provided us with structural consultation. We issued drawings to a contractor with proficiency and great understanding in the ideology of structural drawings. They hired us suitable civil engineers with sufficient knowledge to overlook the construction process. S&J is a dependable engineering consultancy with proper guidance and meticulous detailing."

-MGM Edible Oils Private Limited, Thoothukudi, Tamil Nadu, India

TESTIMONIALS

“Mr. Suresh demonstrates exceptional structural engineering expertise with strong practical knowledge. His hands-on approach and expertise in timber-related buildings have greatly contributed to cost-effective and efficient solutions for our projects.”

-Venturer Modular Pvt Ltd, Chennai, India

“Myself Architect Logan - Founder of Radiix Design Studio (10 years old company). Myself and Mr. Suresh has been associated for always a decade. He has a strong knowledge about the structural design for any materials and forms that we provided. He is extremely punctual, always updated and very friendly interms of design deliverables. He is a expert in his field and has a strong team to support any structural needs. I strongly recommend Mr.Suresh for any structural needs.”

-Radix Architects & Interiors, Chennai,India

THANK YOU

We look forward to working with you



Contact Us



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