

**DELIVERING RELIABLE  
ENGINEERING SOLUTIONS  
WORLDWIDE**



## WHY US?

Arris Engineering Services Pvt Ltd. is a trusted multi-discipline engineering and consultancy firm specializing in structural, mechanical, electrical, instrumentation, and piping engineering. We deliver end-to-end solutions across diverse sectors, including Oil and Gas, Petrochemicals, Power and Energy, and Industrial and Commercial Buildings. With affiliate offices in the UK, US, Australia, New Zealand, and Canada, we offer localized support while leveraging global expertise. Our seamless coordination across disciplines ensures efficient execution, meeting project milestones with precision. Backed by cutting-edge technology and a talented team, we tackle complex challenges while maintaining quality and reliability. At Arris, we don't just engineer solutions - we build lasting partnerships, ensuring steady growth and shared success.



**2014**  
Estd.

**200+**  
Engineers

**300+**  
Completed Projects

**50+**  
Global Clients

## Industries served

We provide comprehensive design and detailed engineering services for



**Power**



**Oil and Gas**



**Water Treatment**



**Petrochemical**



**Commercial Buildings**  
(Town Centers, High Rise Structures & Warehouses)

## Our Services

- Detailed engineering for Boilers
- Analysis, Design and Connection design of Steel Structures
- Piping design, Stress analysis and support engineering
- Detailed engineering of Pressure Vessels, Storage tanks
- Electrical and instrumentation engineering
- Turnkey design and detailing of Process skids
- Process Engineering
- Rebar Detailing







### **Anantharangan** (Managing Director)

Mr. Anantharangan is a co-founder of Arris Engineering Services Pvt Ltd., and brings unparalleled worldwide experience in structural steel detailing, procurement, fabrication, and erection. With a background of working with major EPC companies, consultants, and fabricators, Rangan provides both operational and strategic leadership. Based in New Zealand, he leverages his extensive industry knowledge to drive the company's growth and success.

### **Seralathan Devaraju** (Chairman)

Mr. Seralathan is the co-founder of five startups along with ARRIS, each progressing through different stages of growth. With over 22 years of experience delivering value to customers worldwide as an entrepreneur and technologist. Currently, he leads ARRIS, a multidisciplinary engineering services firm specializing in the analysis, design, and fabrication support of industrial structures and mechanical components. ARRIS serves clients across key sectors, including oil and gas, petrochemicals, refineries, power plants, and boilers.



### **N. Srinivasan** (Director - Engineering)

Mr. Srinivasan offers a wealth of experience in the power and oil & gas industries, specializing in boilers, pressure vessels, piping design, and stress analysis. His career includes significant roles at Babcock Borsig Power, Wood and Foster Wheeler, where he managed large-scale engineering projects and back-office engineering teams. His international experience and technical expertise are invaluable to our engineering operations.

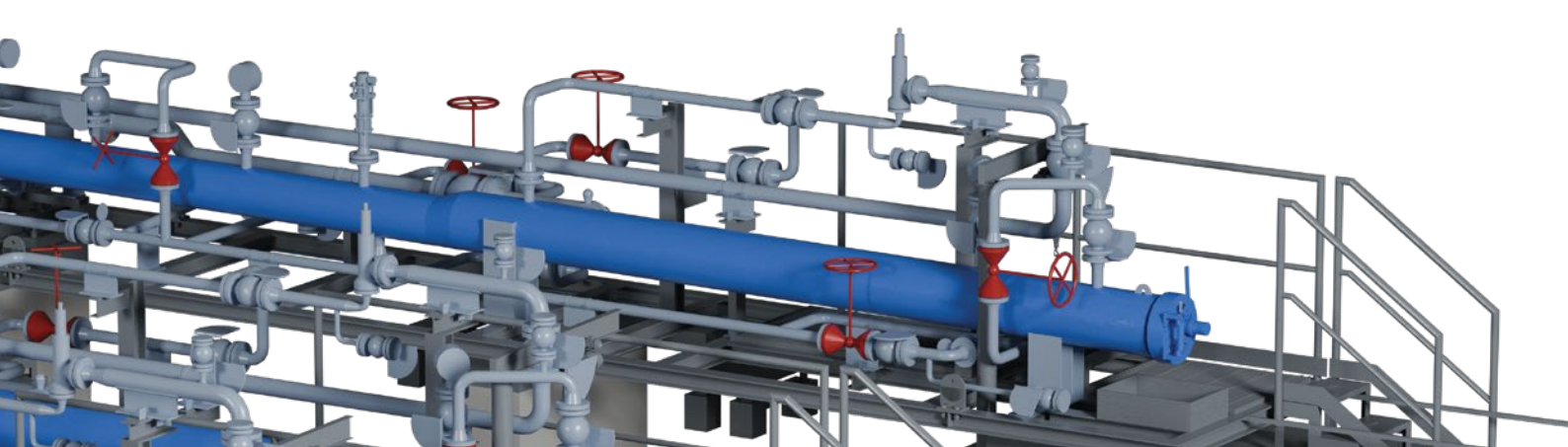
### **D. Elayaraja** (Head - Civil & Structural)

Mr. Elayaraja is a postgraduate in Structural Engineering with extensive experience in structural steel design and detailing. He has successfully executed complex projects across various sectors, including the automobile industry, power plants, and oil & gas installations. His global project experience and proficiency with international codes and standards ensure the highest quality and compliance in our civil and structural engineering projects.



## REFERENCE PROJECT LIST

Project Name	Scope of Work	Type
Perdaman Chemicals & Fertilizers / PAR's & PAU's, Australia	3D Modeling and 2D Detailing of Steel structures	Process Plant
Boiler and TG Piping, India	Complete detailed engineering, including stress analysis, piping modeling & support engineering	Power Plant
New Gasification Plant, Singapore	3D Modeling and 2D Detailing of Steel structures and Preparation of Piping Isometrics	Oil & Gas
Yamal LNG, Russia	3D Modeling and 2D Detailing of Steel structures	Oil & Gas
Jebel Ali power station M-Extn, Dubai	Connection Design, 3D Modeling and 2D Detailing of Steel structures	Power Plant
Whiptail Project - JAGUAR FPSO Guyana	3D Modeling and 2D Detailing of Steel structures	Oil & Gas
Jaguar land rover Car Plant, Slovakia	3D Modeling and 2D Detailing of Steel structures	Automobile
Nitrogen Tank ( 2 nos. ), India	Design as per ASME VIII, Arrangement and Fabrication drawing	Process Plant
Ormiston town centre, New Zealand	3D Modeling and 2D Detailing of Steel structures	Commercial
West Qurna 2 Gas treatment, power generation & Distribution plant, Iraq	Primary Design, Connection Design, 3D Modelling & 2D detailing of Steel structures	Oil & Gas
PIG Launcher & Receiver for FSF flowlines, Iraq	Complete engineering including Process, Piping, Civil, Structural, Electrical and Instrumentation	Oil & Gas
Basrah refinery Upgrading project, Iraq	Stress analysis of various critical lines	Refinery plant
LNG Canada, Canada	3D Modeling and 2D Detailing	Oil & Gas



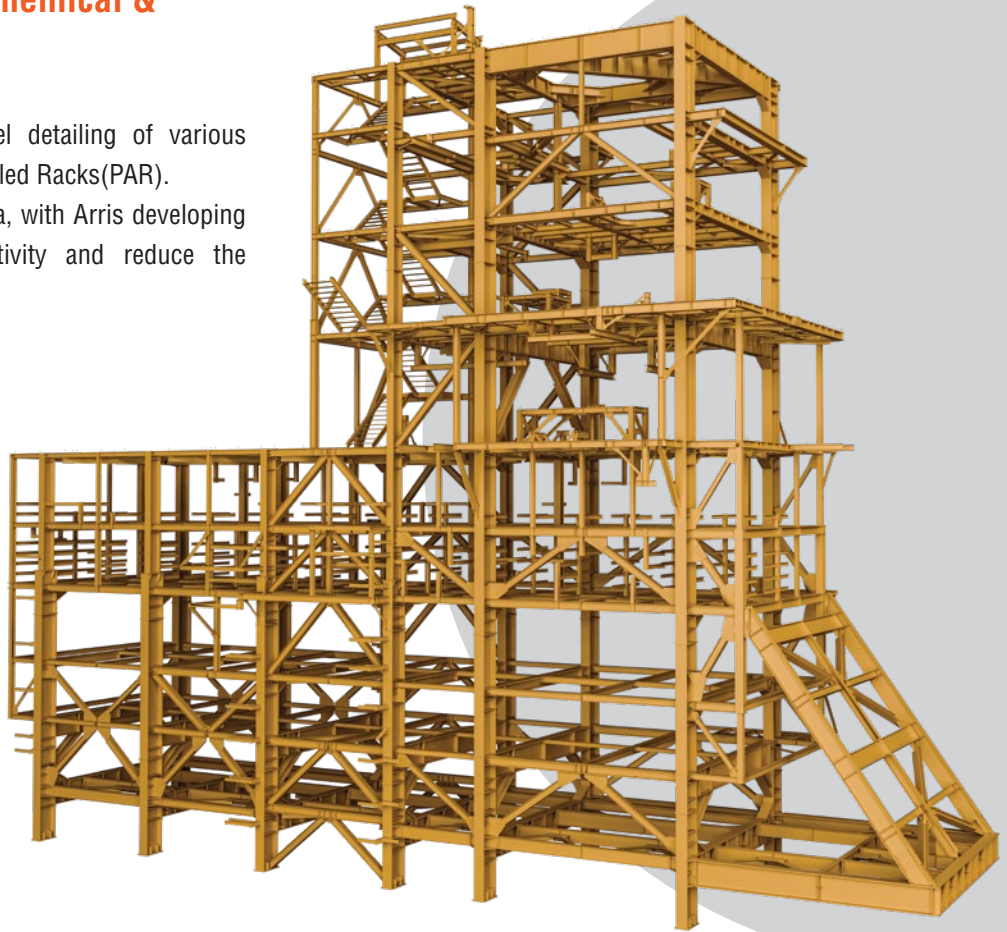
## PROJECTS

### Modular Steel Structures for Chemical & Fertiliser Plants

Arris was responsible for structural steel detailing of various Pre-assembled Units (PAU) and Pre-assembled Racks (PAR). The fast track project was executed in Tekla, with Arris developing customisation tools to improve productivity and reduce the turnaround timelines.

The project scope included 3D modeling and 2D detailing of 8,500 metric tons of structural steel. Arris delivered all the 3D models, Fabrication packs, which included part drawings, assembly drawings, erection drawings, NC files, weld map drawings, BOQs and reports.

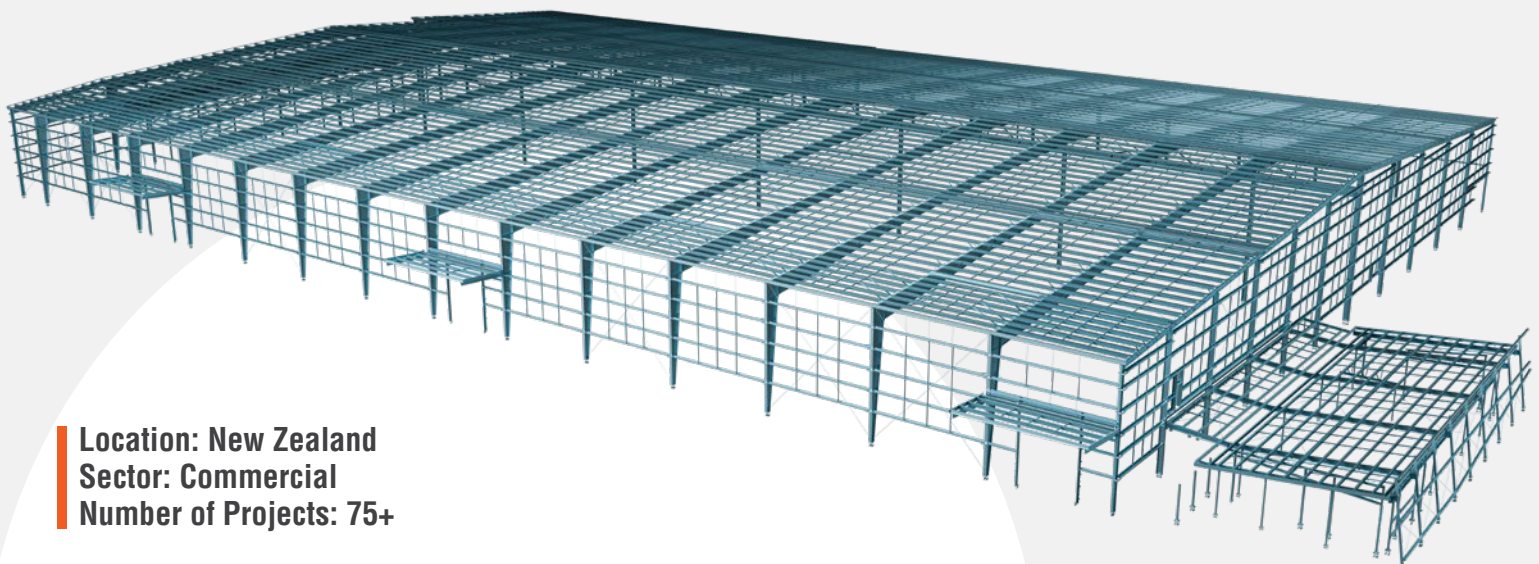
**Location:** Australia  
**Sector:** Chemical  
**Engineering Hours:** 34,000



### Commercial Projects in New Zealand

Arris was responsible for the structural steel detailing of a large warehouse in New Zealand, marking our 50th commercial project in the region. The project was executed using Tekla, where Arris leveraged its expertise to streamline the modeling and detailing process, ensuring accuracy and efficiency.

The scope included 3D modeling and 2D detailing of structural steel, with Arris delivering comprehensive fabrication packages. These included part drawings, assembly drawings, erection drawings, NC files, BOQs, and reports — ensuring a smooth workflow from design to construction.



**Location:** New Zealand  
**Sector:** Commercial  
**Number of Projects:** 75+

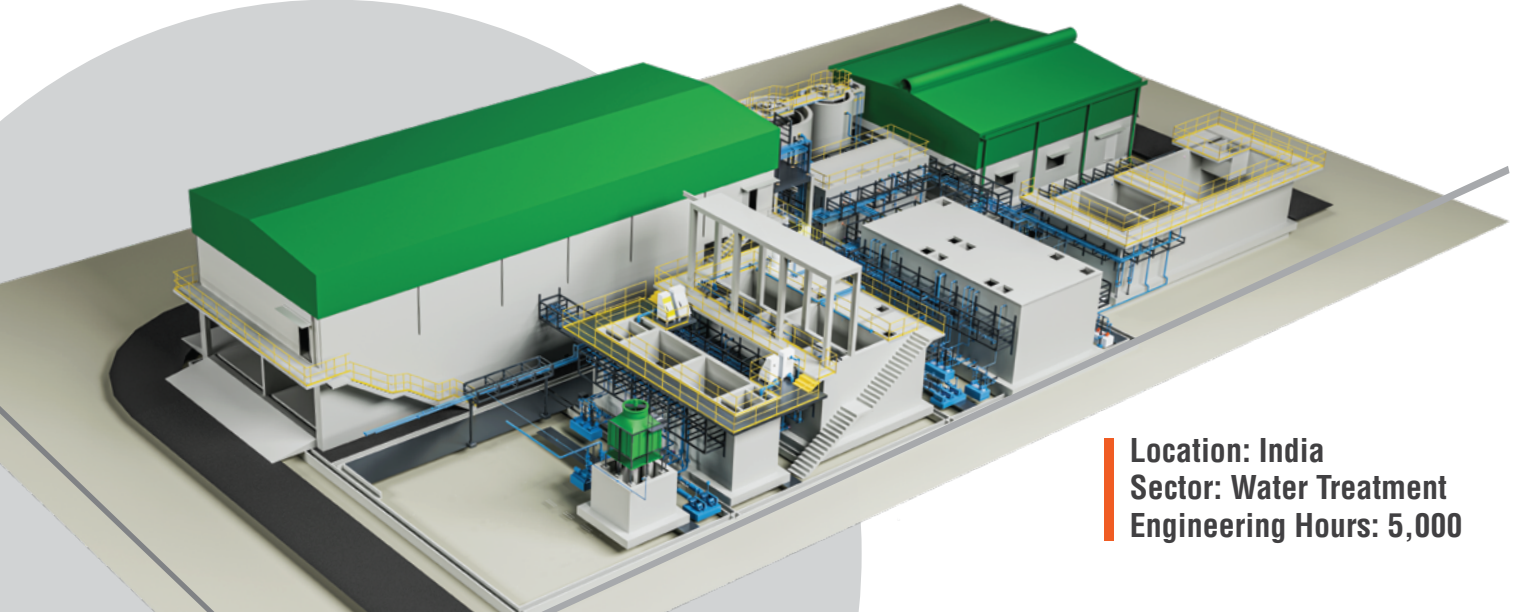


## PROJECTS

### Water Treatment Plant for Tyre Manufacturing Unit

The ETP (275 KLD) and STP (2 x 200 KLD, present & future) manage industrial and domestic wastewater, while the MEE system enables Zero Liquid Discharge (ZLD) for complete water recovery.

Arris was responsible for Engineering of all the piping within the water treatment plant. Arris developed the optimised layout, meeting the clients requirement for constructability, operability and as per regulatory requirements. Complete 3D model of the plant including Civil Buildings, Equipment, Piping, Steel Structures and pipe supports was developed by Arris team. Post successful model review with the client, the Isometrics, support drawings and BOQ were completed within the schedule.

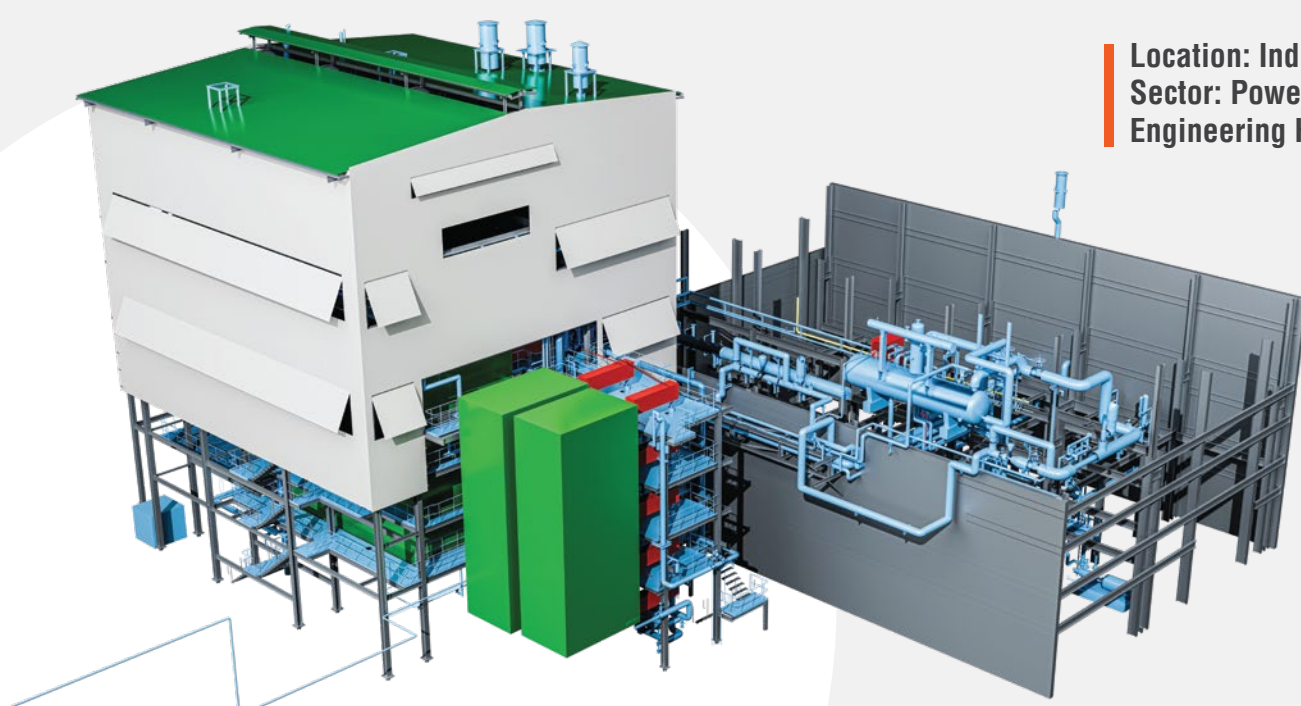


**Location: India**  
**Sector: Water Treatment**  
**Engineering Hours: 5,000**

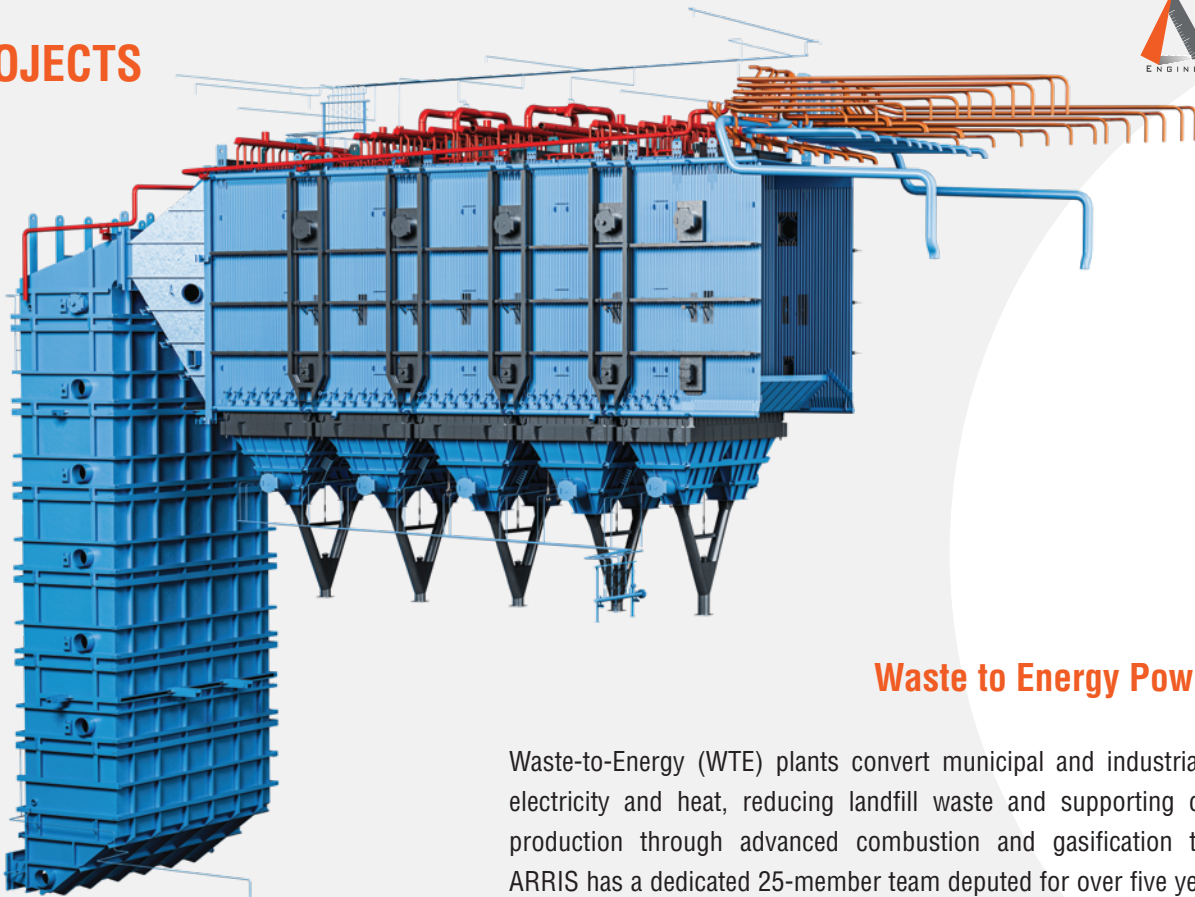
### Biomass based Power Plant

The Biomass Power Plant (1 x 14.5 MW) utilizes renewable biomass fuel to generate sustainable energy, reducing carbon emissions and supporting environmental sustainability.

Arris design scope for the boiler and turbine area piping includes 3D laser scanning, 3D modeling, stress analysis, piping layout, equipment modeling, support modeling, and isometric preparation. ARRIS ensures precision, efficiency, and seamless integration, optimizing piping design for operational reliability and in compliance with regulatory requirements



**Location: India**  
**Sector: Power Plant**  
**Engineering Hours: 9,000**



### Waste to Energy Power Plants

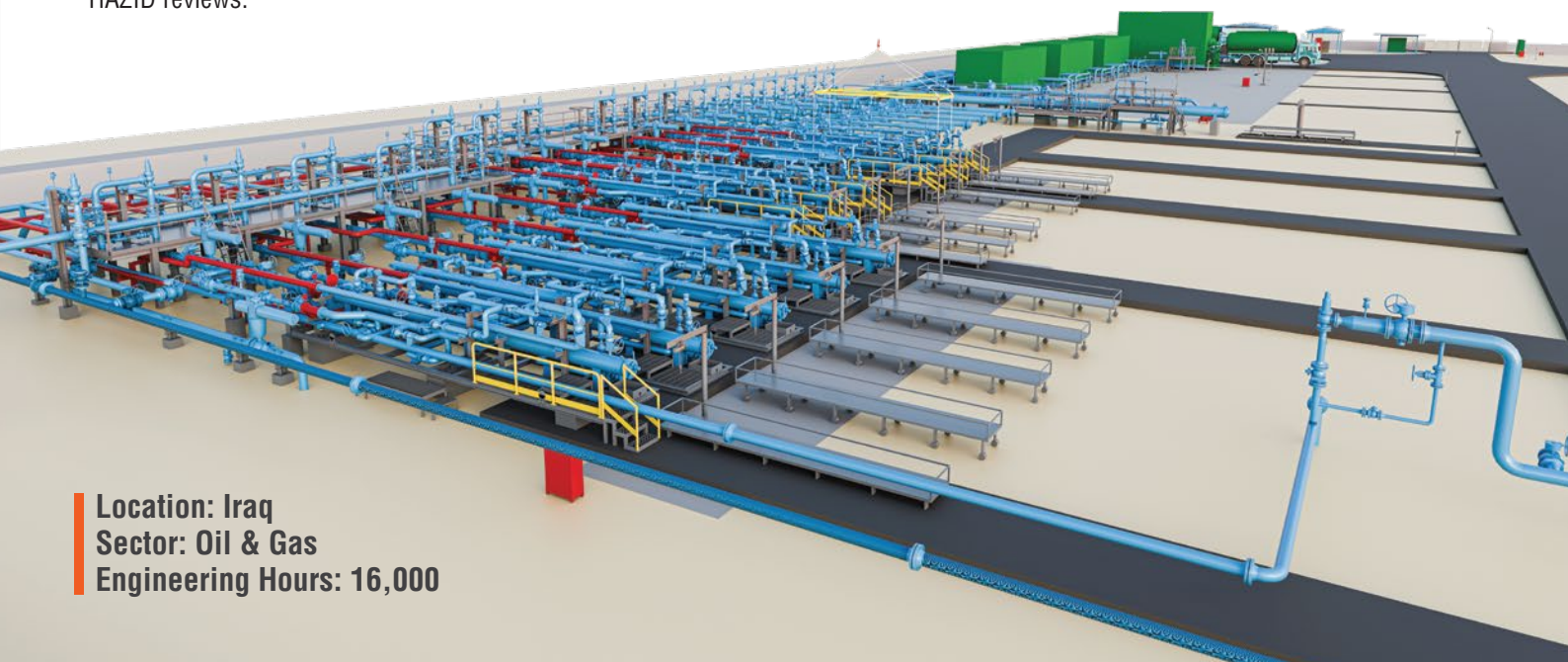
Waste-to-Energy (WTE) plants convert municipal and industrial waste into electricity and heat, reducing landfill waste and supporting clean energy production through advanced combustion and gasification technologies. ARRIS has a dedicated 25-member team deputed for over five years, working directly with the client across all engineering disciplines, including Piping, Electrical & Instrumentation (E&I), Mechanical, P&ID, Ducting, Pressure Parts, and Structural engineering. Their expertise ensures seamless project execution, precision, optimizing WTE plant performance and sustainability.

**Location:** Europe  
**Sector:** Power Plant  
**Engineering Hours:** 40,000 Yearly

### Pig Launchers and Receivers

Pig launchers and receivers are essential for pipeline maintenance, enabling the safe insertion and retrieval of pipeline inspection gauges (pigs) for cleaning, inspection, and integrity assessment.

Arris was the engineering contractor for Project based in Iraq. The project scope was installation of 26 Pig receiver skids and 26 Pig Launcher skids in existing oil field. The multi-discipline team was engaged in the project for around 8 months, interfacing with Client, PMC, Vendors, Site survey teams, Construction contractors to develop the design, present model reviews and conducted HAZOP and HAZID reviews.



**Location:** Iraq  
**Sector:** Oil & Gas  
**Engineering Hours:** 16,000



## SOFTWARE AND TOOLS USED

### STRUCTURAL

**STAAD.Pro**



**IDEA StatiCa®**



**AUTODESK®  
ADVANCE STEEL**



**AUTODESK®  
Robot Structural Analysis  
Professional**

### PIPING



**AVEVA  
EVERYTHING3D**



**AUTODESK®  
AUTOCAD® PLANT 3D**

### PROCESS & MECHANICAL



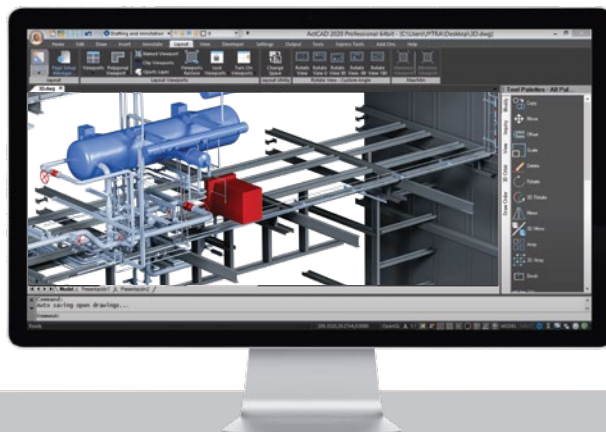
### ELECTRICAL & INSTRUMENTATION

**DIALux**

**etap®**

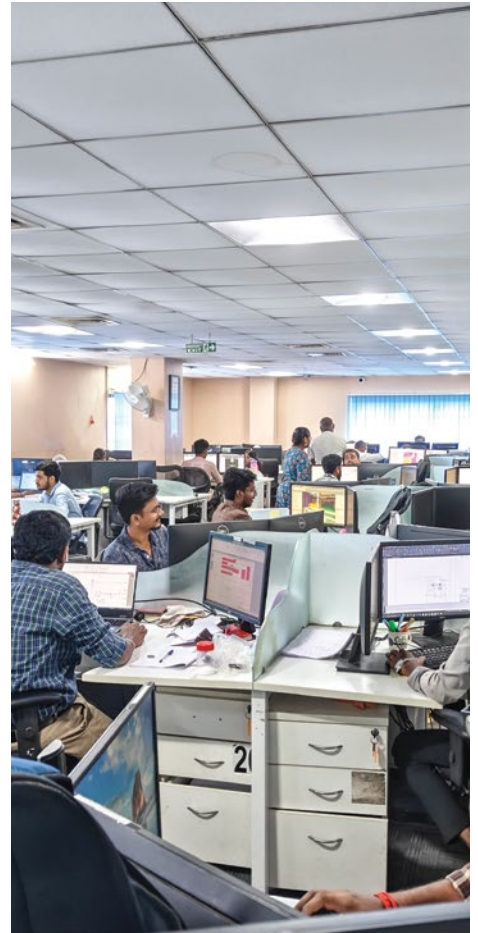
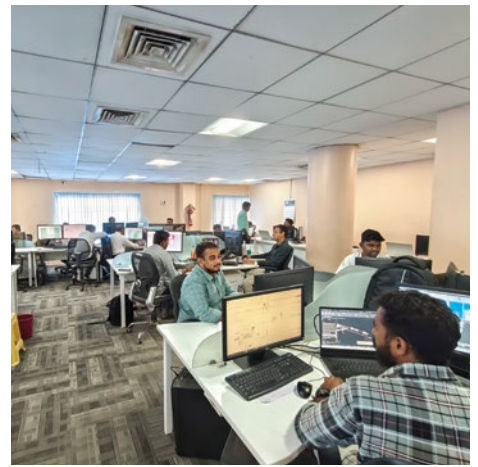
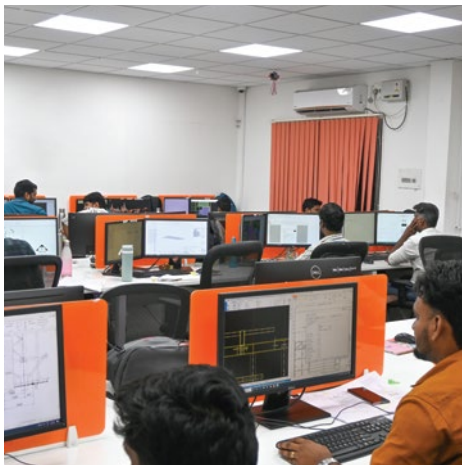
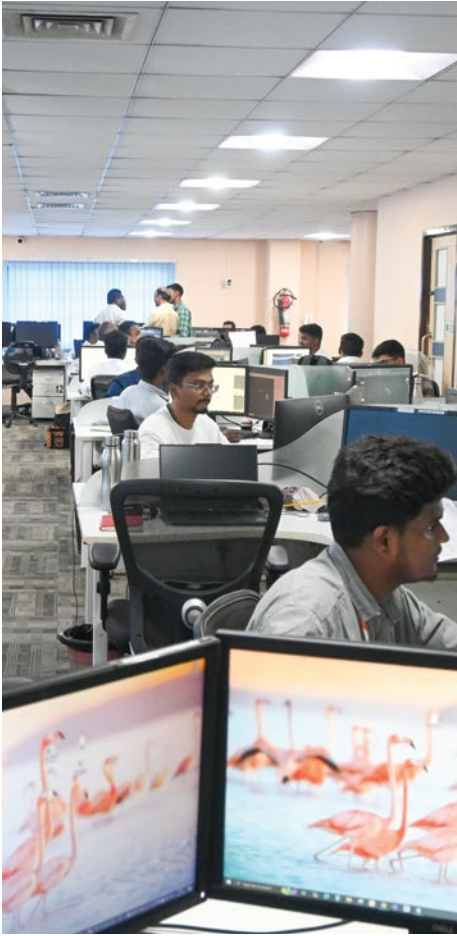


### ALL DISCIPLINES





# OFFICE ENVIRONMENT







## RECOGNITIONS





## OUR CLIENTS

"ARRIS has partnered with some of the biggest names in the industry, successfully delivering multiple projects across various sectors. Our commitment to engineering excellence, innovation, and reliability has earned us the trust of global leaders, fostering long-term relationships that drive success."



Kanadevia  
INOVA  
Steinmüller



meptagon  
head for a better process



DÜRR



TECHNOMAK®



DANIELI  
CENTRO METALLICS



GENESIS  
ENGINEERING



J COFFEY  
CONSTRUCTION



T.EN TECHNIP  
ENERGIES



BRIDGEFAB



M  
M  
MOTT  
MACDONALD



cleveland



ISGEC



L&T Energy  
Hydrocarbon



NALCO Water  
An Ecolab Company



NIPPON STEEL ENGINEERING



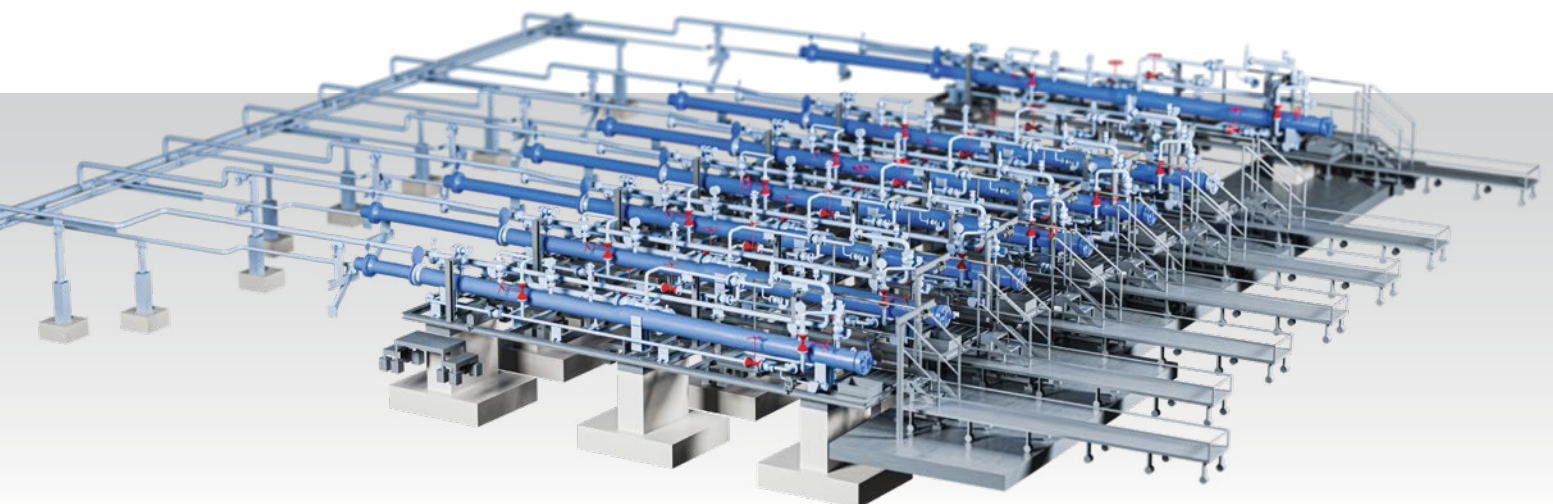
FLSMIDTH



SIEMENS  
energy




THERMAX






 No.33, 3rd floor, KK Complex, Velachery Main Road,  
Little Mount, Venkatapuram, Saidapet,  
Chennai, India - 600015

 2/40, Moore street, Howick,  
Auckland, New Zealand - 2014

 133, Royal Birch Heath, NW Calgary,  
Alberta, Canada - T3G 5T8

 9, The Walk, Mawson Lakes,  
South Australia - 5095

 67, Norwood Avenue,  
Wembley, England - HA0 1LX

## For Enquiries:

**Anantharangan**

☎ +64 22 619 2405 | ✉ rangand@arrisltd.com

**Srinivasan**

☎ +91 95000 87359 | ✉ srinivasan@arrisltd.com

**Elayaraja**

☎ +91 98948 53721 | ✉ elayaraja@arrisltd.com



Top  
Performing  
MSME 2022

