



sri maalathi
engineering industries

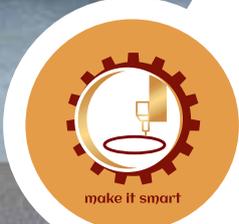
**Precision Engineering
for a Global Market,
Complete Component
Solution for the Valve Assembly;
One-Click Procurement**



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A Decade of Quality and Trust

HAPPY
CUSTOMERS
100+

PROJECTS
COMPLETED
200+

CUSTOMER
SATISFACTION
INDEX
99%

TALENTED
WORKFORCE
150+

Your Partner in Precision

Established in 2015, Sri Maalathi Engineering Industries (SMEI) is a premier manufacturer and exporter of industrial valve components and engineering components for various industries. Our state-of-the-art facilities, spanning over 40,000 square feet across two branches in Coimbatore, enable us to deliver high-quality products and services to our clients worldwide.

Recognized for our excellence in heavy machining, fabrication, and grinding, we have earned the prestigious "One Star Export House Certificate" from the Directorate General of Foreign Trade for our outstanding export performance in 2022-2023.

**CRAFTING
QUALITY
COMPONENTS
SINCE 2015**

Specializing in machining special materials such as Inconel, Monel, various grades of stainless steel, duplex and super duplex steel, and alloy steel castings, SMEI has garnered expertise in producing valve bodies ranging from 2" to 60" and classes ranging from 150 to 10,000. Our specialized processes include bore grinding of Double Block and Bleed Valves (DBBV), plug valves, and other internal and external grinding operations.

In addition to machining, we undertake fabrication of mild steel (MS), stainless steel (SS), and other special alloy steel parts as per customer specifications, ensuring compliance with geometric dimensioning and tolerancing (GD&T) requirements and other special processes.

With strategic partnerships with foundries, forging shops, and coating shops, including API 6D certified facilities, SMEI is equipped to handle a diverse range of materials and processes, meeting the stringent quality and performance standards demanded by our clients.



Our Achievements and Vision:

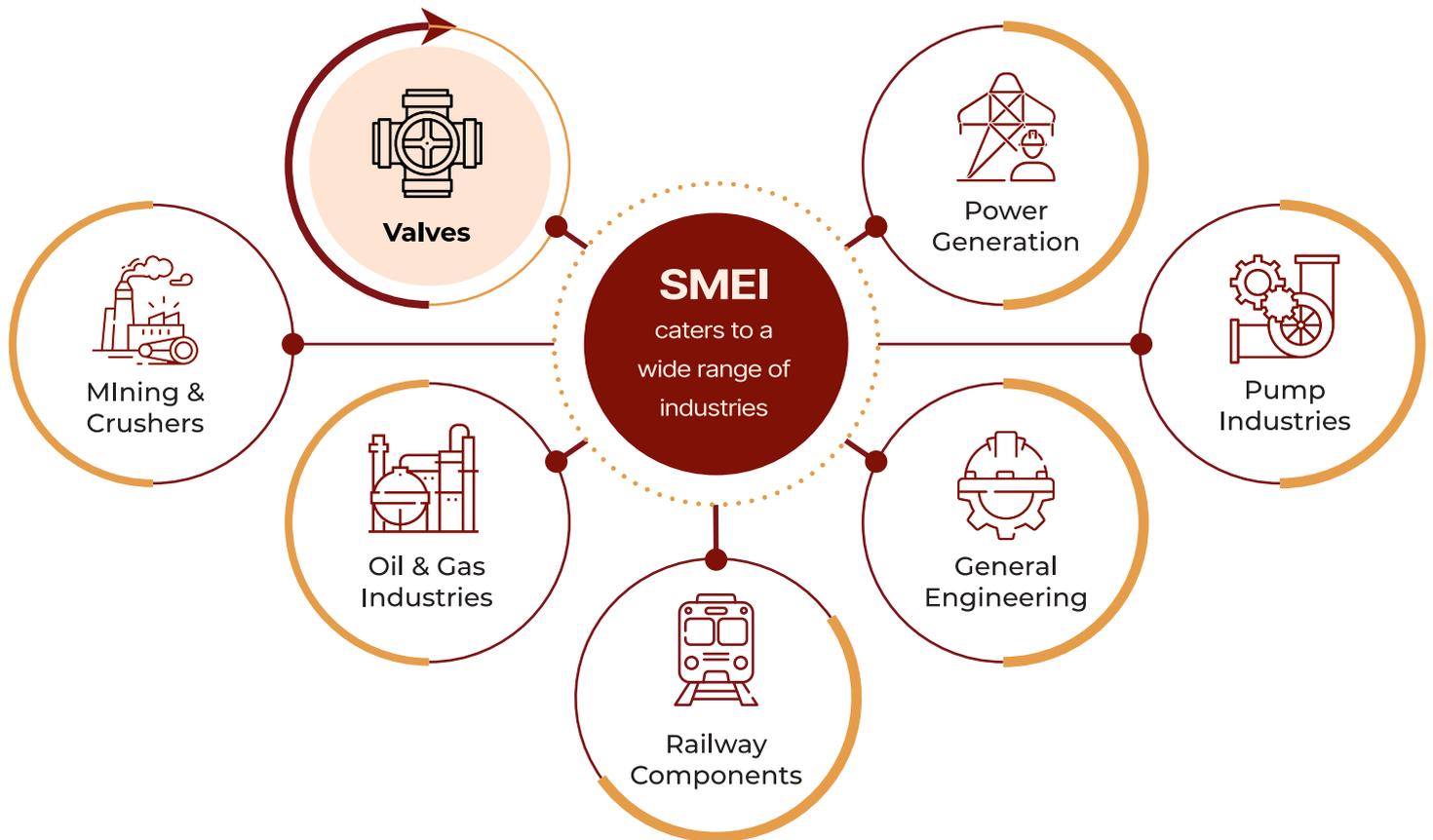
SMEI's commitment to excellence is reflected in our consistent growth trajectory, with a turnover of INR 21 Crores in FY 2023-24. Looking ahead, we are looking to grow to INR 30 crores in the current year and to INR 50 crores in the 2025-26.

Driven by our mission to support our customers by providing innovative manufacturing solutions throughout the product lifecycle, from new product development to regular production.

SMEI aims to be the preferred partner for precision machining needs across industries.

Our goals are realized through diversification, agile management strategies, and a talented workforce dedicated to delivering products with utmost quality and fair pricing.

Industries we serve:



Our Capabilities:

Our comprehensive capabilities include:

- Operation of conventional and CNC machines, including vertical turret lathes, milling machines, drilling machines, boring machines, and vertical machining centers
- Expertise in fabrication, process control, and fixture design
- ISO 9001:2015 certified processes to meet air gauge tolerances and accuracies
- Proficiency in reverse engineering, modelling, and prototyping
- Interpretation of drawings with international standards and seamless understanding of customer requirements
- Dedicated facilities for loading/unloading components and overhead cranes for handling heavy components
- TIG, MIG, and arc welding capabilities for various materials
- Skilled workforce of 100 employees and 50 semi-skilled employees; hiring opportunities available on-demand
- Packaging and export services

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**Precision Machining
and Fabrication with
ISO Certification**

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Our Infrastructure:

Our machine shops (2 factories) are equipped with a range of CNC and conventional machines, including vertical turret lathes, vertical machining centers, CNC boring machines, CNC turning machines, horizontal boring machines, drilling machines, and lathes, enabling us to undertake a diverse range of machining operations with precision and efficiency.

VNL 1005 Neway



Hision VMC 1000 II



Vertical Grinding Machine Schneider with DRO



TL30XL800



Pensotti VTL 1600



G & L CNC Boring (Num Axium)



Machines & Specifications:

CNC VTL					
S.No	Make	Model	Max Turning Ø	Max Turning Length	No Of Machines
1	BFW	BVL 700H	640	700	2
2	DOOSAN	PUMA V8300	830	750	1
3	BFW	BVL 800H	820	850	2
4	NEW AY	VNL100S	1100	800	1
5	Pensotti (Num Control)	VTL1600	1800	1400	1
6	QIQIHAR	DVT250	2800	2500	1

CNC HTC					
S.No	Make	Model	Max Turning Ø	Max Turning Length	No Of Machines
1	LMW	LL20T	320	690	1
2	LOKESH	TL30X800	380	850	2

CNC VMC					
S.No	Make	Model	Table Size	Axis Travel	No. Of Machines
1	LOKESH	VML50	800x400	X600 Y510 Z500	1
2	LOKESH	VM9	800x400	X600 Y510 Z500	1
3	BFW	BMV50	1000x510	X800 Y510 Z510	1
4	Haitian	VMC 1000 II	1200x600	X1000 Y600 Z600	3
5	Haitian	Hision 1300	1200x600	X1300 Y650 Z650	1
6	BFW	BMV60	1250x600	X1050 Y610 Z610	1

VMC - Double Column					
S.No	Make	Model	Table Size	Axis Travel	No. Of Machines
1	Haitian	GLU 18x20	1500x2000	X2000 Y2200 Z1000	1
2	Haitian	GRU 32 II x 40L	2500x4000	X4200 Y3200 Z1000	1
3	Haitian	GLU II 16x25	1500x2500	X2500 Y1500 Z700	1
4	Haitian	GRU 28 II x 40L	2500x4000	X4200 Y2800 Z1000	1

CNC - Horizontal Boring Machine

S.No	Make	Model	Table Size	Axis Travel	No. Of Machines
1	Giddings and Lewis NUM Control	Lewis 2M	1500x2000	X2000 Y1800 Z1800 W950	1

Conventional - Horizontal Boring Machine

S.No	Make	Model	Table Size	Axis Travel	No. Of Machines
1	SAUNDH	H1000	1100x1200	X1000 Y1000 Z2500	1

Conventional VTL

S.No	Make	Model	Max Turning Ø	Max Turning Length (mm)	No. of Machines
1	Titan Roman	SC17 - DRO	1600	1300	1
2	SCHHEISS	13EK	1550	900	1
3	Titan Roman	SC27 - DRO	2700	1700	1

Vertical Grinding Machine

S.No	Make	Model	Table Size	Axis Travel	No. Of Machines
1	SCHNEIDER (Fully Automatic)	SW1000	1000	X1200 Z300	1

CNC HMC

S.No	Make	Model	Table Size	Axis Travel	No. Of Machines
1	Haitian	Hision 1000	1000x1000	X1800 Y1500 Z1350	1

Conventional- Lathe

S.No	Make	Model	Max Turning Ø	Max Turning Length (mm)	No. of Machines
1	Rajkot	SW380	400	1400	1
2	Krishna	SW900	1200	1600	1

Radial Drilling Machine

S.No	Make	Model	Max Drill Ø	Max Drill Length (mm)	No. of Machines
1	RM R52	MT4	55	350	1
2	RFh 75/1750 (With Hydraulic clamping))	MT5	80	400	1

Cladding/Overlay Capability

We have established comprehensive welding procedures for carbon steels, alloy steels, stainless steels, duplex and super duplex stainless steels, as well as super alloys—both in-house and in collaboration with our trusted welding partners.

Our team possesses extensive experience in hard facing and cladding, including the application of Stellite on a variety of grades such as Stellite Grade 6, Grade 12, Grade 21, and multiple grades of Inconel.



1" Plug Laser Welded



3 1/8" API 2000 Body Machining after Welding

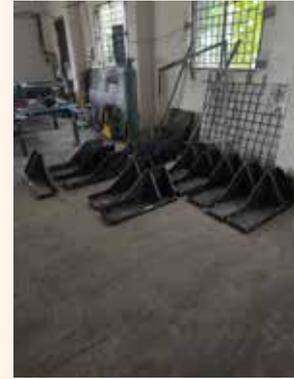


10" Steam Jacket Body

Fabrication Facility

Our dedicated fabrication unit is staffed by a team of 10 internationally certified welders, each supported by an assistant, ensuring the highest standards of precision and quality across all projects. We are proud to hold ISO 9606:2017 certification, underscoring our commitment to industry-leading practices.

Our team has successfully fabricated components weighing up to 6.5 tons and is proficient in working with material thicknesses ranging from as thin as 0.2 mm to as robust as 150 mm. We offer expertise in a wide range of materials, including aluminum, stainless steel, and mild steel, providing versatile and reliable fabrication solutions tailored to meet your specific requirements.



Support Frame



Fabricated Frame



Bottom Plate Assembly with welding fixture

Casting Components

We supply precision-machined casting components from API 6D certified investment casting and sand-casting foundries, specifically tailored to meet the requirements of the valve industry—including bodies, plugs, and covers—across a weight range of 0.5 kg to 2 tons.

Our capabilities encompass a wide variety of materials, including multiple grades of carbon steel (such as WCB, WCC, LCC), alloy steel (including C12A), various grades of

carbon steel (such as WCB, WCC, LCC), alloy steel (including C12A), various grades of stainless steel and duplex steels (CF8M, CF8, CF8C, 5A, and 6A), as well as special alloys such as Inconel (600, 625, 718, 825), Monel (500, 600), Alloy 20, and Hastelloy.

We have a proven track record of supplying valve bodies ranging from 2" to 56" in diameter and pressure classes from 150 to 7500.



16" DBBV valve body With ENP plating



2" Inconel Gate Body



24" - 600 Full Bore Plug Valve Body



16" DBBV valve body With Hard Chrome Plating



30" Angle Valve Body



12" Axial Flow Valve Body



4" DBBV Body with ENP Coating



12" Yoke



Oval Bonnet CF8M



50" Slap Gate Valve
Bonnet with Stellite21 Overlay

Forging Components

We also offer high-precision machined forging components produced through closed die forging, open die forging, ring rolling, and radial forging processes. Our material capabilities include carbon steels, alloy steels, stainless steels, duplex steels, non-ferrous metals, and super alloys.

We supply a wide range of material grades, such as ASTM A105, A350 LF2, CSA Z245.12, SA 182 F304, SA 182 F316, SA 182 F321, 4130, F72, SA 182 F22, and A694 F52/60/65.

Our forgings are available in weights ranging from 0.5 kg to 800 kg for closed die forgings, and from 5 kg to 1,800 kg for open die forgings, ensuring we can meet diverse project requirements with precision and reliability.



20" Cover Plate LF2



10" Control Valve Body



Stem with Stub Acme Thread



12 Bonnet A105



50" Seat Ring
(Ring_Rolling)



50" Slap Gate F6A



4" Choke Body F51



4" Plug 4140 with 24HRC
Heat Treatment



2" Plug Port Area Machined with
Stellite 21 overlay

Components from Bar Made and Plate Made

We supply high-precision components manufactured from bar stock and plate in a variety of sizes, ensuring compliance with PSL3, PED, NACE, Norsok M-650, and MESC standards as per customer requirements. Our capabilities include machining from square and hexagonal bars as well.

We have delivered components as thin as 1.5 mm (0.059 inch) with diameters as small as 7 mm (0.275 inch). Additionally, we are experienced in producing components with specialized internal and external threads, including STUB ACME and square threads.



Wiper Ring Retainer_Spacer



Adaptor, Union Nut



Packing Adaptor Stub ACME Thread



0.5" & 1" Monel Plug



Valve Plug, Adaptor, Union Nut, Valve Connector, Adaptor

Aluminum Casting Procurement

Our commitment to quality in aluminum casting has led to the development of a broad range of components through trusted partner foundries. We specialize in Gravity Die Casting and Pressure Die Casting, covering sizes from 500 grams to 250 kg and 100 grams to 70 kg, respectively.

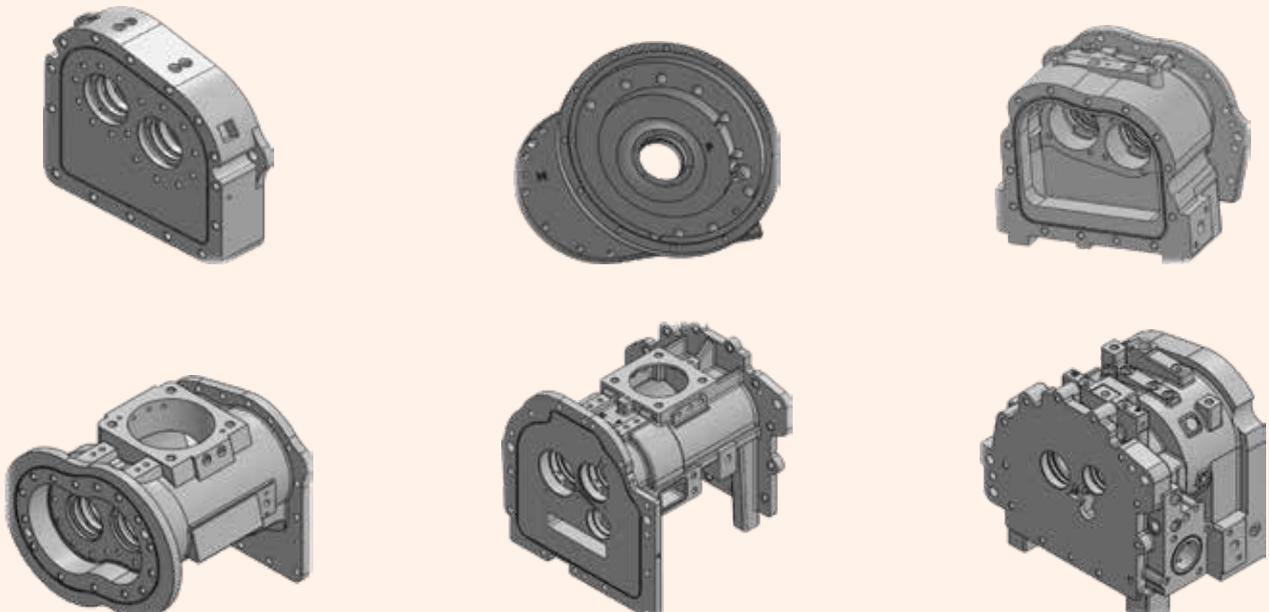
These partnerships enable us to deliver high-quality casting solutions across industries. We've procured various grades of aluminum components valued at USD 1 million, meeting stringent client demands with attention to detail and adherence to industry standards.

With extensive experience and a strong network, we manage complex projects efficiently, offering seamless procurement backed by technical expertise. For both small and large-scale projects, we provide tailored solutions to meet unique application requirements.

Compressor Parts



Compressor Aluminium Parts



Surface Treatment and Heat Treatment

We can do the following surface treatments.

- ▶| Electroless Nickel Plating (ENP)
- ▶| Painting
- ▶| Phosphating
- ▶| Blackening
- ▶| Hard Chrome-plating
- ▶| Zinc Plating
- ▶| Nitriding (Gas, Liquid)
- ▶| Anodizing (Including Hard)
- ▶| Heat treatment (Case Hardening, Annealing)

Metrology

We utilize advanced metrology equipment, including coordinate measuring machines (CMM), to deliver high-precision measurements with unmatched accuracy. Our skilled team is experienced in handling complex geometries providing reliable data that enhances quality control and product development. With a commitment to precision and innovation, we offer comprehensive metrology services that ensure your components meet the highest industry standards.



Geometric Tolerance Measurement



Coating Thickness Measurement



Weld Thickness Measurement

Mastering Complexity with Precision

We don't just machine parts; we engineer solutions for challenges that others often shy away from. We thrive on complexity, positioning ourselves as the partner of choice for mission-critical projects that demand exceptional domain knowledge and a deeply skilled technical team. Our philosophy is built on the confidence that no geometry is too intricate and no tolerance too tight when backed by the right expertise.

Our capabilities were recently showcased through a demanding project for a leading manufacturing major, executed on our double-column machining center. Whether it involves hard-to-machine materials or complex multi-axis operations, we bring a sophisticated blend of process engineering and tooling strategy to ensure we get it right the first time.

We understand that in mission-critical applications, there is no room for error. If your next project requires advanced machining expertise, high-level accuracy, and a partner who treats your toughest manufacturing challenges as their own, consider it done.



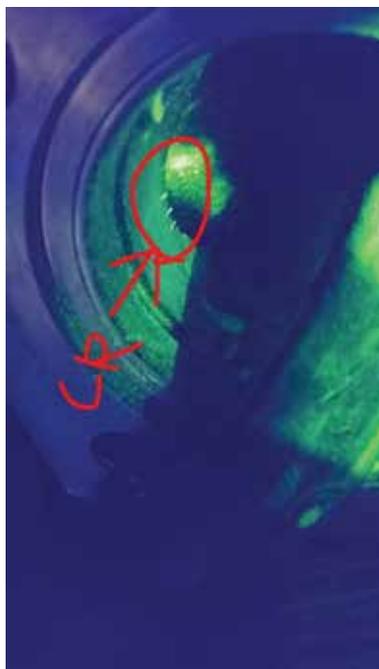
In-House MPI Dark Room: Faster, Cleaner, More Reliable Inspection

We are proud to offer an in-house dark room for fluorescent, coil-type Magnetic Particle Inspection (MPI) - a major step forward in our quality assurance capabilities for critical, safety-relevant components. This advanced inspection method enables ultra-reliable detection of surface and near-surface discontinuities after machining, strengthening confidence in part integrity before components move to the next stage of manufacturing or dispatch.

Unlike conventional prod-type MPI, our coil-type inspection helps avoid inspection marks on tested components, supporting both functional performance and cosmetic requirements where surface condition matters. With controlled lighting, premium fluorescent media, and calibrated equipment, we achieve stronger defect visibility and consistent inspection conditions every time.

Bringing MPI in-house also delivers a direct advantage to our customers: reduced outsourcing dependency, shorter lead times, and faster turnaround; all from our Coimbatore facility. Equally important, our process supports traceable inspection reporting, enabling customers to document quality compliance with clarity and confidence.

For partnerships and project inquiries, connect with the Maalathi Engineering team to explore end-to-end, high-precision manufacturing with inspection you can trust.



Flow Bore Dia Area Crack Found
73241-(MI37638)

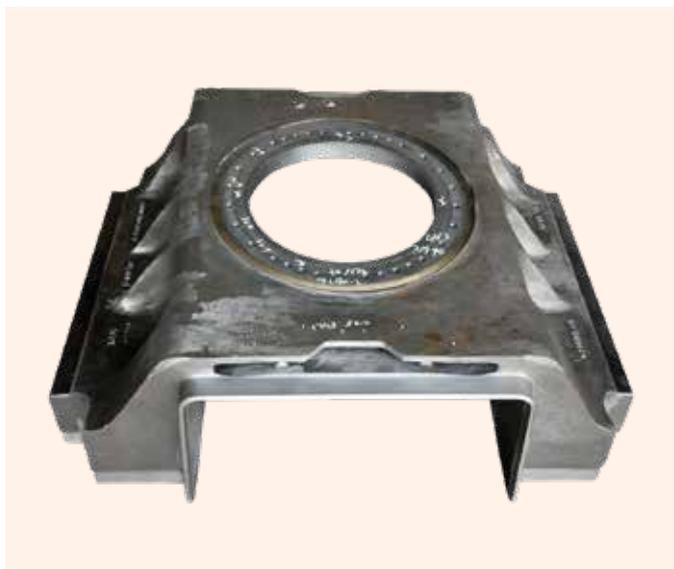
1. Linear Indication 12mm
2. Linear Indication 10mm

Rail-Ready Precision: Our Expansion into Railway Component Manufacturing

Our strategic expansion into the Railway Component Manufacturing vertical, bringing our proven precision-engineering strengths to a sector where safety, reliability, and dimensional accuracy are non-negotiable.

Powered by our world-class CNC machining infrastructure and deep technical expertise, we have already begun achieving strong milestones in this high-precision space. We are currently preparing a sizeable batch of specialized railway components for shipment to Europe, marking a confident and successful entry into the international rail market and reinforcing our ability to deliver to global expectations.

This new vertical reflects SMEI's commitment - together with our partners - to excel across every department involved in project execution. From planning and production to inspection and dispatch, our teams are aligned to meet the stringent specifications and demanding quality requirements associated with global rail infrastructure. Our experience in handling complex materials and tight engineering requirements enables us to manufacture components that perform consistently in critical, high-duty applications.





Beyond machines and business, we adopt a culture that promotes inclusivity. Our people are our greatest assets..



Our Global Clientele



Our Clients from India



Our Value Proposition



Leading manufacturer & exporter of industrial valve & engineering components



Recipient of "One Star Export House Certificate" for outstanding export performance



Low volume, high mix parts



Talent Engineering Solutions at Scale



Specialists in heavy machining, fabrication & grinding



World-class Machines & Infrastructure

CONTACT US



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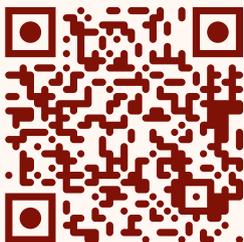
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