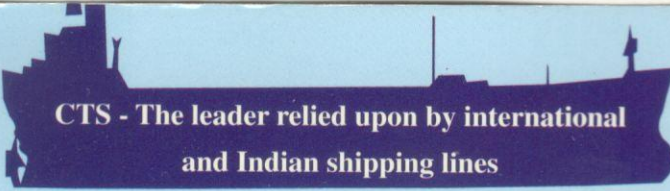


In India, for reliable ship repair services

**CTS
is the
Port
of
Call**





CTS - The leader relied upon by international and Indian shipping lines

CTS - as Choudary Technical Ship Services Pvt. Ltd. is popularly known in shipping circles- is one of the largest **repair services provider** for the shipping industry not only in Chennai-its home base; but also all along the coast lines of India.

Since its inception in 1992, CTS has evolved into a multi-disciplinary ship-repair services professional, by accumulating a wealth of experience and expertise, along with the ability to meet challenging deadlines in performance.



CTS is an ISO 9002 Company

CTS' continuous quest for providing better quality-based services to customers is recognised by the award of

the coveted **ISO 9002**

Certification in 1998 from Det Norske Veritas.

While the ISO 9002

Certification from DNV

is a welcome international

confirmation, CTS considers the continuous patronage from customers as the final stamp of approval.

In addition to quality, CTS is also known for the cost-effective, time bound and prompt services. A long portfolio of national and international clientele and their regular contract work orders are proof of the commitment of CTS to the shipping industry.



CTS has the Director General of Shipping's approval for FFA Routines

In another landmark achievement, CTS obtained the formal approval from Director General of Shipping (controlling body which governs the shipping industry) for servicing and related repairs of all Fire-Fighting Appliances on-board ocean going vessels. This approval enables CTS in undertaking maintenance and repair of FFA equipments and submit reports to Mercantile Marine Department for endorsement, to confirm the fire-fighting capability and sea worthiness of the vessels.



CTS means Comprehensive Technical Services

Apart from the normal routine of repair services, CTS also performs a wider range of specialist services:

- From hull refits to accommodation refurbishing to intricate engine servicing.

To facilitate the above range, CTS has an expert group of marine engineers, steel engineers, hydraulic specialists, automation engineers, insulation engineers, refrigeration engineers, electrical and electronics engineers.

CTS also has at its command, the technical and consultancy services of experts and specialists in all areas of engineering.

To supplement and support the above range of services, CTS has Class certified steel welders, steel and pipe fabricators, highly experienced engine mechanics and qualified

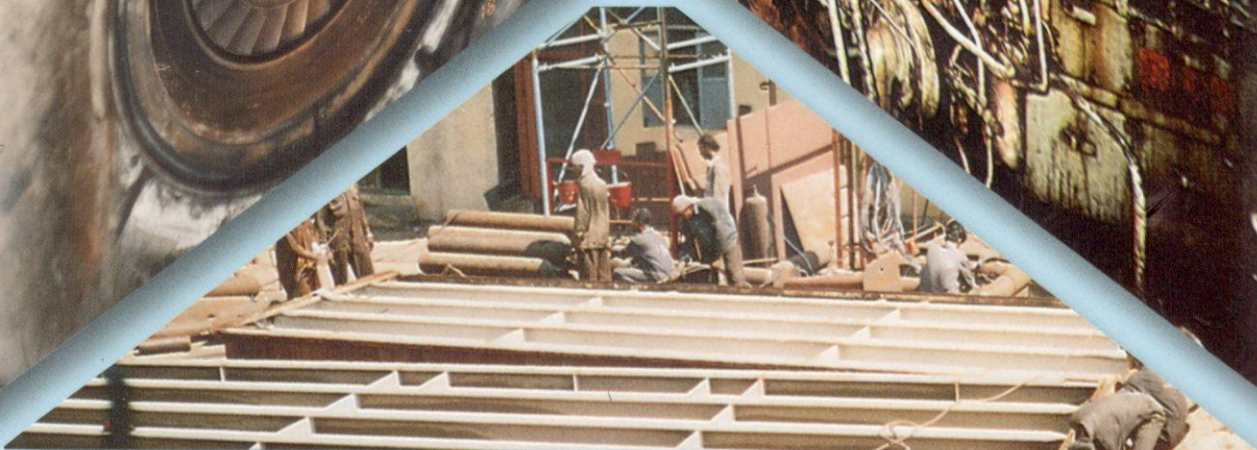
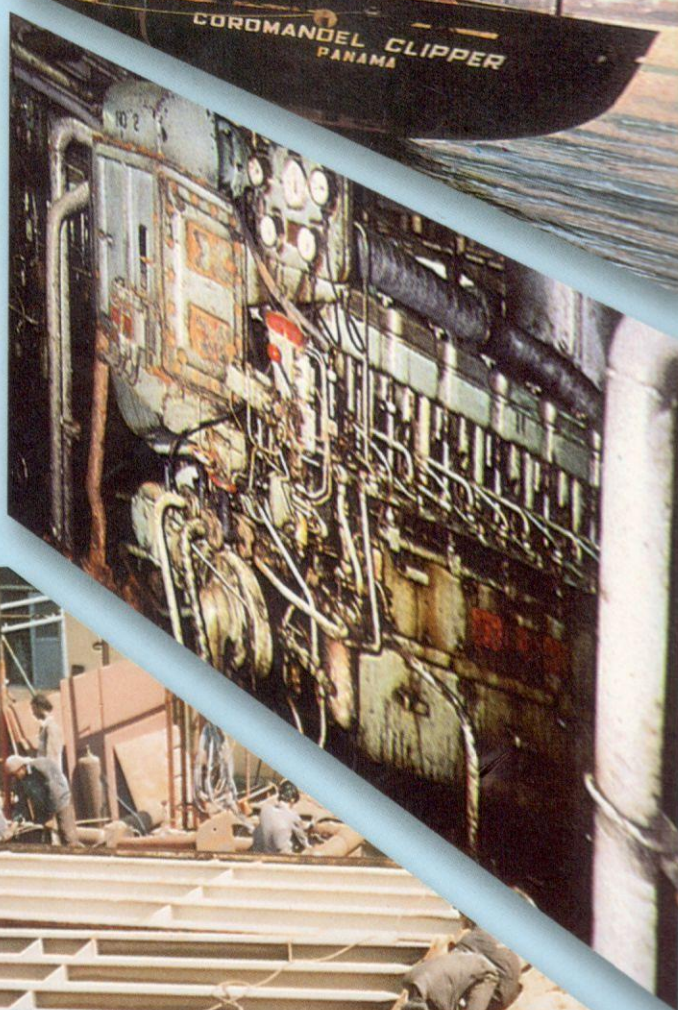
technicians with rich experience in hydraulics, automation, insulation, refrigeration and electrical/electronics.

CTS also has a network of vendors specialising in various fields of engineering repair services like reconditioning of engine parts such as piston crowns, exhaust valves, seats, etc.

CTS - For major Turnkey contracts and vessel re-certification

Another speciality, for which shipping companies depend upon CTS, is its remarkable capacity in timely execution of turn-key contracts.

On several occasions, CTS has demonstrated its unmatched



ability and efficiency in carrying out major repairs in the shortest span of time, thus enabling vessels to get their Sea-worthiness Certificates from Classification Survey agencies.

In 1996, CTS was asked to carry out extensive repairs on a Russian vessel- "M.V. Coromandel Clipper". In a short period of 32 days, CTS did 52 tonnes of steel renewals, 2.3 kms of electrical recabling, 2 kms of pipe line renewals, complete overhauling and survey of the main engine, three auxiliary engines, boiler re-tubing, crane servicing and a host of other miscellaneous repairs.

In 1999, CTS carried out 95 tons of steel work on an Indian bulk carrier, "M.V. Gem of Madras" within a period of 32 days - without affecting the normal schedule of the vessel and its cargo movement., Impressed with the performance and the saving on precious charter timings, the owners of this vessel have subsequently awarded significant and critical repair contracts on their other vessels.

CTS' Foray into Power Generation and Heavy Industrial Sector

The reputation and goodwill generated from marine industry for their professional management skills and technical expertise, paved the way for CTS to enter into heavy industrial sector - especially power generation. CTS was invited to execute turnkey overhauling and was awarded maintenance contracts of power plants. CTS had carried out extensive overhauling and servicing of 50MW engines of

the 200 MW Basin Bridge Power Plant, Chennai. The remarkable speed and quality with which the contract was executed has prompted its owners in extending contracts for other engines in this power plant.



CTS has been invited from other industrial sectors also to carry out various machinery erection and maintenance contracts. Recently CTS has won contracts for routine maintenance of engines and other machinery in deluxe hospitals and hotels, both in India and abroad.

CTS - Training Academy for the Mercantile Marine

Totally devoted to the safety of the international maritime industry, CTS has come up with a training academy at Chennai, where advanced courses in fire-fighting and survival systems at sea, during disasters, are conducted as per STCW requirements. CTS Training Academy's

curriculum has the approval of the Director General of Shipping.

Construction of own building and establishment of a full

fledged training institute at the outskirts of Chennai Metro

is expected to be ready by 2001.



Technical Services offered by CTS

Deck Side

- Hull-steel renewals
- Hatch-cover repairs
- LSA / FFA Routines
- Servicing of crane machinery, accessories and equipments.
- Load-line recommendations
- Life Boat repairs
- Renewal of deck and tank pipelines
- Gangway repairs
- Accomodation repairs-including carpentry, plumbing, furnishing, panelling, insulation.
- Blasting and painting of Deck, Hold and Hatch-covers.

Engine Side

- Main engine routines.
- Overhauling of auxilliary engines.
- Overhauling of associated machinery - like compressors, heat-exchangers, purifiers, pumps, valves etc.
- Navigation equipments - Servicing and Repairs.
- Electrical Repairs.



Specialised Repairs offered by CTS

- Reconditioning of engine parts like piston crown, Exhaust valves and seats etc.
- Crank Shaft grinding.
- Dynamic balancing of engine rotors, blower, etc.
- Electro-plating process for various engine parts like hard chrome plating.
- Metal spraying of engine parts.
- Hard facing of pump parts.
- Fibre glass repairs.
- Expansion bellows.
- Specialised deck compounding.

Specialised Services offered by CTS

- Providing Specialists and consultants for turn-key work - like major modifications.
(The Panel of consultants consists of Naval Architects, Structural Engineers, Automation Engineers, Hydraulic Specialists, etc.)
- Manufacturing and supplying specific custom-designed spares for machinery, such as oil seals, mechanical seals, synthetic seals, shafts, special couplings, impellers etc.
- Specialised instruments for alignment jobs.
- Sourcing and providing of spares and machinery.
- Extensive machine shop facilities.
- Chemical Analysis facilities.
- Non-Destructive test facilities.