

With the impressive measurements of its Radoub Dock, the SECREN can be easily praised to be one of the most powerful shipyards in this zone of the Indian Ocean. Indeed, its technical capabilities easily enabled him to offer on the market, the activities of **repair and shipbuilding** required by customers composed much more by European ship-owners than national.

SHIP REPAIR

In the **RADOUB DOCK**



OUR SERVICES



- Replacing plates (bottom, bordered)
- Painting anchor chains, fish holder, ...



- Careening works : sandblasting, scrapping, high pressure washing
- Painting



- Rewinding (Alternator, transformator)
- sonar, transducer cold room, ...



- Checking sea, propeller shaft, rudders, ...
- Replacing tightness parts, propeller, tailshaft, ...
- Visit and Repairing of main engine, reducer, ...

OUR MAIN CUSTOMERS

INTERNATIONAL
ALBACORA S.A. - ATUNSA - CALVO PESC.A. - Cia EUROPE A DE TUNIDOS - HARTSWATER - INPESCA - PEVAECHE - SOLDELI SHIPPING Corp. - TUNIDOS CONGELADOS S.A.
CMB - SCN - EPP AM - SOMARSAL ...

NATIONAL
AGU ALMA - CIMAT - MAD AE XOTIC - MIR A - PNB - P.MM - PECHEXPORT - REFRIGEPECHE - SDV - SOMAPECHE

In ship **repair** the shipyard deals with:

- All works of naval carenage or repair with flood or in the dry dock
- All repair work on ships out of wooden or with plastic hull
- All works of repair or of installation sets electronic simple or complexes

The existence of several workshops, set up at the time of the DCAN, also enables him to deal of the repair and machining of mechanical parts:

- Turbo blowers, thermic compressor
- Electric motors
- Refrigerating sets: cold rooms, refrigerators, condensers...
- Electronic sets : radar, sounder, automatism.
- Rectification of the crankshafts.

In **Ship building** the presence of a powerful Engineering and design department remains a major asset to carry out all new building work in conformity with the international requirements and any need required by the customer.

Among his various performances, we can cite the construction of:

- high-speed motorboats for passengers,
- high-speed motorboats of piloting,
- plastic boats,
- coasting ships,
- barge, trawler,
- tug boat,
- ferry boat,
- motorized barges....

SHIP BUILDING

THE PHASE OF CONSTRUCTION

◆ Drawing, assembling the hull, ...



◆ Fitting : Superstructure, engine, ...



◆ Paint, various installing ...



◆ Floating and test on sea





OUR VARIOUS WORKSHOPS

Secren s.a

FOUNDRY

Babbiting of the bearings and stages
Clothes industry of castings out of cast iron, bronzes, light metals...
Galvanization of piping and metal plates

With its various activities, SECREN SA never abounds in enormous potentialities known in the Indian Ocean and in Madagascar. Indeed, it is unique industry to have a unit dealing with galvanization in this zone.

If galvanizing metals, roofs, pipes per projection method is increasingly frequent nowadays, SECREN proposes to you better: **galvanization by immersion**. This is possible with the enormous capacity of its vat. The required temperature is from of 470 ° to 490 ° C.

WOOD WORKSHOP

For the market, as well regional, national, as international, the Workshop Wood of SECREN knew to adapt to the least desire of its customers.

Sales managers, sensitive to the listening of the customers are available to help you to carry- out your most expensive wishes thanks to simple councils combining quality at the price starting from the famous wood of Madagascar, the pieces of traditional furniture or styles, solid masses or plated, varnished or waxed, of high quality of completion.

Faithful to the spirit of flexibility and an opening turned more and more towards the external market, the Wood Workshop of SECREN SA obtained a **solar drier of 30 m³ composed** of an absorber of 49 m² and 2 ventilators of 7,5 KW.

It was restructured, modernized, and is thus ready to answer effectively and concurrencies the most demanding requests of the customers.

A marketing policy turned towards the clothes industry of pieces, furniture, doors in series does to us one of the largest exporting companies in this field.

MECHANICAL WORKSHOP

Located near the dock, on an area of 7 200 sqm., the Machine tools workshop is equipped with many machines allowing them to ensure the execution of all types of works required by repair, the shipbuilding like all types of clothes industries required by large companies.

The Machines Tools Workshop is in charge of the machining of mechanical parts for repairing and manufacturing ships for all industrial works.

FITTING WORKSHOP

The Machine shop Fitting is charged, as well on board as in workshop of all work of visit and handing-over in a state of all the mechanical, hydraulic apparatuses and tires of the ships, or any industrial unit. For the new buildings, or new installations, the fitter's shop is in charge to maintain all the mechanical, hydraulic apparatuses whatever they are;

SHEET METAL WORKSHOP

In ship repairs

Carry out all work of sheet-iron works on board, such as:

Survey of the hull to the ultrasounds

Sheet replacement of bordered

Replacement of partitions

Repairs of the panels of holds

Modifications of the compartment

Chains: statement of wears, burning coaltarage

Replacement of the hull zinc anodes

BOILER MAKING WORKSHOP

Implementation pipes on all circuits as well on board and workshop.

Welding of all metals:

- For the Shipbuilding, layout, statement of gauge, manufacturing and assembly of piping of all the circuits, tests.
- For ship repair, disassembling of the coolers and the circuits to be visited, shop visit, and repair, reassembly, tests.
- Various, degasification with the vapour of the fuel compartments, welding of all metals.

GENERAL SERVICES WORKSHOPS

By the large diversity of the workshops included, this group has multiple functions:

- logistical support of the yard site
- supply and implementation of means of lifting and handling for:
- the loading or the unloading of material in roads, with quay or the dock
- the delicate handling of large material, either on board, or with ground
- transporting of heavy materials per trailer connection by high-speed motorboats between the ships in roads and the shipyard
- Construction and installation of the scaffolding to the dock (work on hull ...), inside the ship (work in the tanks, cisterns and top hull)

PAINTING WORKSHOP

Its principal function is to carry out work of paintings on board of ships passing in carenage, in particular paintings of hulls, with preliminary preparation of surfaces.

It also ensures large cleanings of funds of holds, tanks or cisterns, before work, work of carenage itself.

FOUNDRY

Manufacture of wearing parts

Manufacture of grids of gutters

Manufacture of service boies

Manufacture of centrifugal pumps of 600 m³/h and with beyond (option groups motor-driven pump

With intermittent starting and time-lag pumping)

Manufacture of the submerged pumps, multicellular pumps

JOINERY / CABINET WORK

Manufacture of the doors and windows

Against plated (manufacture of the cabinet works and joineries for roofs in alcove

COLD

Manufacture of the negative cold rooms (less 25°) of capacity of 30 m³, 60 m³

METAL FITTINGS

Manufacture of materials:

- for the office
- for the hospitals
- for the restaurants

OTHER EVENTUALITES

In steel:

Manufacture:

- belay bridges
- metal frameworks
- convex cisterns
- strong trunks
- refuse vats.

In Fibreglass:

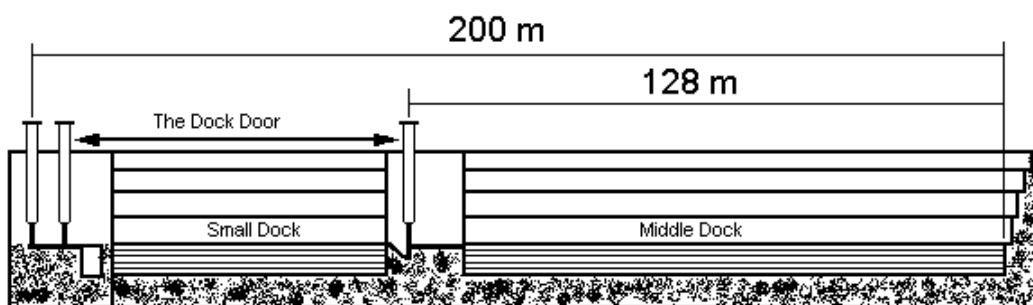
Coating of the superstructures: receiver of showers, sink, bidet, vat with refuse, refrigerators.

The Company has a high technological potential, allowing him not only to resist the competition construction and repair of boat but especially to consider a technological opening as regards machining of parts to the profit of Malagasy industrial companies which took again its activities thanks to the technicality brought into service by the team of the Company.

Thanks to a Dry dock of 200m, one can only be filled with wonder at the achievements which the shipyard achieves. In the dry docks, the dock can support 3 tuna boats or the equivalent of 6 trawlers. With quay, the shipyard receives 3 tuna boats or 6 trawlers.

SPECIFICATIONS DU BASSIN		
Length	:	199 m
Width	:	26,4 m
Draft	:	8 m
<u>Cranes on rails :</u>		
2 cranes	:	18 T
<u>Road cranes :</u>		
1 crane	:	20 T
2 cranes	:	28 T
1 crane	:	45 T

RADOUB DOCK



The material infrastructures in spite of their out datedness are not negligible for a harmonious development of the services suggested to the international customers. Composed of cranes on rail, road cranes, of field-installed moving machines and various materials useful for manufacture, SECREN is ready to take up a challenge by directing its future objectives towards the renewal and modernization of its technical and social tools - collectives.

Approximately 809 employments revolve around this dock quasi centenarian. Several trades are represented: mechanic, welder, carpenter, ironmonger, engineer, controller, turner, milling machine operator, storekeeper, painter...

OUR ACHIEVEMENTS IN SHIP REPAIRS



**Dry-docking of a South Korean Tuna boat
(XIXILI)**



**Dry-docking of a Spanish Tuna boat
PLAYA DE ANZORAS**



**Dry-docking of a barge
Mayotte**



**Dry-docking of fishing boat
National Trawlers**