

HYDROTEC ENGINEERING SERVICES

349/A.4, New Hunupitiya Road

Dalugama, Kelaniya, Sri Lanka

Phone: (94-11)2906522, (94-77) 7384792, Fax: (94-11) 2906522 E-mail: hydrotec@sltnet.lk

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About Hydrotec Engineering Services

We, Hydrotec Engineering Services is a small, but a leading Engineering firm specialized on Hydraulic systems and related machinery fabrication & installation. Also Hydrotec has now stepped in to Marine hydraulic systems fabrication, repair & maintenance work.

Providing a satisfactory engineering service with a sound technical backup is the theme of our company.

Hydrotec Engineering Services was started in 1999 as a Mechanical Engineering consultancy firm to cater mainly to North Western Province. Starting from hydraulic machinery design and fabrication for coir & coir dust industry our services were expanded as a total solution provider for Hydraulic related machinery in any industry. In 2006 our workshop facility was shifted to No 349/A4, New Hunupitiya Road, Dalugama, Kelaniya and now our services are extended to a wide range of industries.

Our customer base is expanding rapidly, and some of them are,

Colombo Dockyard PLC, Sri Lanka Navy, Unilever Sri Lanka PLC, Hayleys Group, DSI Group, Piramal Glass PLC, DIC Lanka Ltd., James Finlay Plantations Limited, Delmage exports Ltd, I.G Browns Rubber industries Ltd, Abans Electricals Ltd., Rajapaksha Rubber Industries, BioGrow Lanka (pvt) Ltd, Marangoni Industrial Tyres Lanka (pvt) Ltd. Elastomeric (pvt) Ltd., Mackwoods Ltd. etc.

As far as the Machinery design and development is concerned, we have Designed and fabricated a number of Hydraulic Press machines of various types and capacities ranging from 1 Ton to 300 Tons. A 300 Ton Fully automatic Grow Bag machine we fabricated for BioGrow Lanka (pvt) Ltd, is now being operated successfully in South America. Another 120 Ton Grow Bag machine is now operating in Tatucorin, India. Also we manufacture Hydraulic Log splitters for fire wood manufactory mainly for local Tea Industry.



Design, Fabrication and installation of a Fully Automatic stainless steel lined 60 Ton Horizontal Rubber Baling press for Rajapakse Trading Co., was the first of that kind manufactured in Sri Lanka for special Rubber baling purposes. Now it is being successfully used for baling Pharmaceutical Rubber for export.

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The Lid type, 50 Ton, fully automatic hydraulic Press fabricated for DSI Group is now being used for manufacturing Rubber Tiles out of Reclaimed Rubber for export market and it is the first of that kind fabricated in Sri Lanka.



The Movable Tyre De-Moulding machine we fabricated for Marangoni Industrial Tyres Lanka Ltd, EPZ Biyagama has been able to eliminate the requirement of having individual de-moulding mechanisms for a range of different tyre presses.



Specialists in Marine & Industrial Hydraulic systems. Design & Fabrication of Hydraulic & Pneumatic related Machinery, according to the customer's requirement & specifications.

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In parallel to Hydraulic related work, we have started Pneumatic & PLC based Automation work, with which Hydrotec has now become a total Automation solution provider for any industry. Design & Fabrication of an Automatic Grooving & Drilling machine for Grow Bag manufacturing process of Biogrow Lanka has reduced the labour requirement by more than 50% in that particular operation.



Modification and upgrading of machinery is another aspect of Hydrotec Engineering Services. Upgrading the 400 Ton Rubber Press at I.G Browns Ltd to enhance the productivity one of the recent jobs we successfully completed. Improving the Pressure distribution on the platens of 800 Ton Tyre Press at Elastomeric (pvt) Ltd. was another challenging job where both the engineering theory and practical experience were equally applied.

Apart from designing and fabricating standard hydraulic machines for different applications, we have done some hydraulic machinery and systems which are unique to some special applications. The “space craft simulator” we designed and fabricated for Arthur C Clear Centre for their demonstration purposes is a master piece of such specialized work.

After we stepped in to Marine engineering services in year 2006, the first major project we handled was a Hydraulic operated Flap valve system for a Dredger Vessel engaged in a Sand Pumping project under Land Reclamation Board. In year 2007 we successfully completed Overhauling of the Davit Crain system of Sri Lanka Navy Ship “Samudura”. As it is one of the best war ships of SL Navy, some of the hydraulic spare parts were imported directly from the OEMs in USA to maintain high standard of the repair.

Our “Hydraulic Load Tester” is another important apparatus that we designed and fabricated during this period. With this apparatus, Static Load capacity of a crane or a winch could be tested in a much simpler manner, instead of the traditional Dead Load lifting method.



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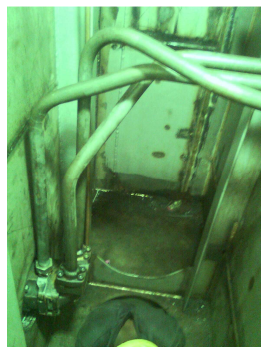
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Other major marine work we completed successfully in last two years are

- Crane hydraulic system & Winch repair of Greek Salvage Tug-TSAVLIRIS UNITY at port of Galle. (April 2009)
- Complete repair to the aft star board Capstan Hydraulic Motor of Tug-AEGEAM SEA FOS in the port of Colombo. (September 2009).
- Design, Fabrication & Installation of a new Hydraulic System for Hatch Cover Operation of MV Sofia, managed by Ocean Ship Management.- Port of Trincomalee (March 2010)
- Replacement of Hydraulic Pipe lines, Modification of the Steering Cylinders, Repair of Ramp Hydraulic Motors etc. of SLNS Ranagaja - Naval Base Galle (May 2010)
- Trouble shooting & Rectification of the Hydraulic related problem in Bow Visor of SLN ship “ Jet Liner”.



In October 2010 Hydrotec Engineering was registered as a Sub Contractor of Colombo Dockyard PLC for Hydraulic fabrication work of New Ships constructions.



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Our technically qualified work force consists of Engineers, technical supervisors, qualified hydraulic technicians and experienced fitters and welders.



Parallel to our Hydraulic related services, we have extended our services to the other industrial mechanical Engineering aspects such as Precision installation of heavy machinery, Design Fabrication and Erection of Steel Structures for plant & machinery, Piping & Ducting work for fluids, Small and medium scale pre fabricated buildings etc.



All the engineering design work on plant & machinery is done considering the Ergonomic conditions of the operators & workers.

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Finally our objective is to improve the quality of our engineering work up to Internationally accepted standards within next three years, and we are confident about the achieving of our target.

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Bandula Wijesinghe -CEO

B.Sc.(Eng.), M.Sc.(Ag Eng), AMIE(SL)

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