

DRAGON BOAT STACKER

SPACE SAVER ROWING SYSTEMS

Space Saver Rowing Systems [SSRS] was contacted by the Manager of Sports and Recreation, Delfin Lend Lease, regarding a mechanical boat stacker for dragon boats for the Varsity Lakes Community Sports House on the Gold Coast, Queensland. SSRS set about re-designing their mechanical boat stacker [a previous Kennovations project] to accommodate dragon boats. Kennovations was engaged to assist with the re-design and structural engineering certification. Design objectives for the new Dragon Boat Stacker included:

- Re-design of the mechanical boat stacker to accommodate the longer and heavier dragon boats
- Provide easy, accessible and efficient storage and retrieval of the boats
- Remove the safety risks of manually lifting boats in and out of static boat racks from above head height
- Reduce storage footprint
- Provide safe and secure storage

Safe Storage Solution

The design accommodates three dragon boats with room for a six-man outrigger canoe on top. The bottom arm of the stacker is fixed in place while rowers lift, at a safe waist height, a boat onto or from the stacker. The arms of the stacker are operated by an electrical hand controller to raise or lower the boats for either storage or retrieval. The mechanical Dragon Boat Stacker provides a safe way to store dragon boats, it reduces storage and retrieval times by half and uses one third of the space normally required to store the boats.

Outcome

Dragon Boat Racing is a great team sport which is growing in popularity in Australia. The Gold Coast Dragons Club is the first Boat Club in Australia to install the mechanical Dragon Boat Stacker. SSRS Dragon Boat Stacker provides an efficient, economical, safe and secure Dragon Boat storage solution for boat sheds.

Customer Testimonial

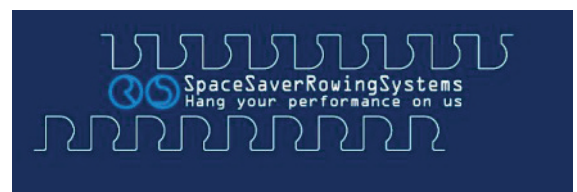
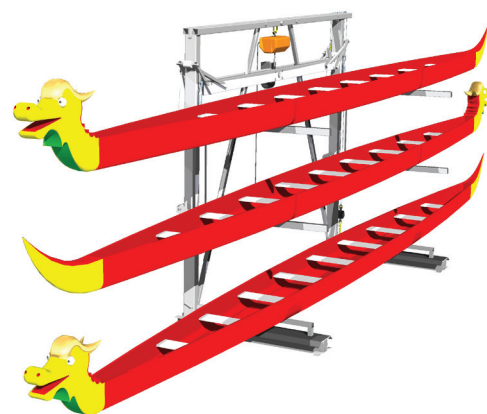
"Obviously we are all excited. Previously we had to store our boats on trailers or trolleys and this required a lot of space. Having the mechanical Dragon Boat Stacker now means we can store our boats safely and neatly without the added worry of our crew injuring themselves lifting the heavy boats."

Julie Elliot, Club Secretary - Gold Coast Dragons

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