

Engineering and Machinery for Dry-Stack Storage



The Gantry System consists of 1 boat stacker crane and 2 launchers per dry-stack for a rapid delivery solution

Main Goals:

- ▶ **Semi-Automated Machinery:** reduction of the human element in maneuvers
- ▶ **Fast delivery** in two steps: shorten operating time (less than 3 minutes delivery per boat)
- ▶ **Eco-friendly System:** silent (using non polluting electric power) and less footprint facilities
- ▶ Better **efficiency** per sqm: CAPRIA Machinery needs an aisle width equal to the biggest boat length + 2 meters.
- ▶ Less initial investment because CAPRIA Machinery **doesn't need concrete floor**
- ▶ **Free ground floor** for parking or amenities (if it is required)

How does it work?

- ▶ This System is based in two mechanisms working in line, so it can carry out between 20 and 30 launches per hour.
- ▶ The crane operator receives a message from the boat owner (or Marina Administration)
- ▶ The stacker crane takes the boat from the berth and put it onto a launcher
- ▶ While the launcher delivers automatically the boat to the water, the stacker crane can take another boat
- ▶ The optimal solution consist of 1 stacker crane and 2 launchers per dry-stack (within 250/300 boats aprox)
- ▶ The delivery is so fast that whereas the boat's owner parks the car, the boat will be ready in the water

