

Flexifloat Systems for Marine Construction



Brazos River Bridge West of Houston, Texas.



An 8-cubic yard hydraulic excavator, supported on a 60-ft. x 120-ft. x 7-ft. assembly, dredging to minus 35 ft.



Temporary floating bridge provides access to a project site. Ramps and mid-section hinges allow bridge to rise and fall with changes in water level.



Series H-50 spud barge allows 1-cubic yard dragline to operate in very shallow water.

Modular, Shallow-draft, Economical Flexifloats Easily Transported by Tractor-trailer

What Is The Flexifloat System?

The Flexifloat System is a combination of standardized, interlocking flotation modules and accessory attachments. These are assembled into platforms shaped and equipped for specific construction phases.

Flexifloats are available in three model series.

Series	Width	Depth	Length	
			Duo-Floats	Quadra-Floats
H-50	7.5'	46.0"	15.0'	30.0'
S-50	10.0'	60.0"	20.0'	40.0'
S-70	10.0'	84.0"	20.0'	40.0'



Mobile crane moving Flexifloat from trailer to water.



Flexifloats being positioned for connection at ends and sides.



Securing modules together by driving the locking wedges.



Truck-mounted crane installing anchor tendons along dam face.



Crane-mounted drill using an "H" shaped assembly to permit work within restricted reach conditions.



65-ton crane on Series S-50 equipment driving piling in a narrow canal.

The three series provide overlapping ranges of capability and insure optimum flotation design and utilization based upon each project's requirements.

Configurations of Flexifloat modules can be designed to provide stable support for the heaviest construction equipment and loads. The modules are connected at ends and sides by a unique locking system requiring only a hammer and pry bar for operation.

The close quality control of the special manufacturing procedures in building Flexifloats assures complete interchangeability and easy assembly in the field. The patented lock connections have a tension and shear load capacity of up to 70 tons per pair. Deck bearing capacity is 2.5 tons per square foot for all units.



225-ton crane with a 50-ton hookload working in shallow water.



"T"-shaped Series S-70 barge provides additional stability for 200-ton crane operations.



Steel girders being set in conjunction with a second land-based crane.

Availability, Design Assistance and Service

The Flexifloat System is available for either lease or purchase. Inventories are carried at eight locations across the United States plus our manufacturing plant in Houston, Texas.

Robishaw Engineering maintains an experienced engineering, technical and management staff. We are ready to assist present and potential customers in determining flotation requirements and equipment best suited to their job requirements.

When your projects have a need for flotation equipment, consider the economics,



General offices and manufacturing plant in Houston, Texas.

For more information on the
Flexifloat System, contact:



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