

Proven 3D motion compensation

Colibri™ crane and tool



MACGREGOR

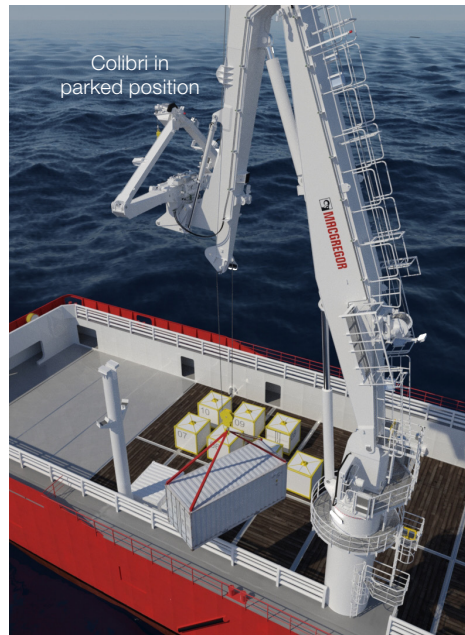
Designed to perform with the sea

The best of both worlds - industry proven

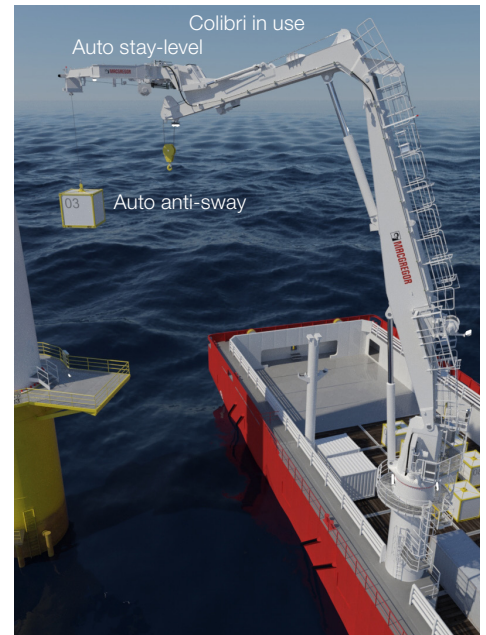
The Colibri™ crane combines the proven MacGregor competencies in crane design and innovative motion compensation solutions.

The Colibri™ crane and 3-axis Colibri tool provide the best of both worlds and are an industry proven combination. An additional lightweight articulation on the folding jib of its traditional knuckle boom crane, the Colibri™ tool compensates in the XY plane, while its winch compensates in the vertical axis, providing full compensation for agile work, even in difficult conditions.

The Colibri™ crane functions both as a normal offshore crane with AHC, and as a 3D motion compensated crane, without the need to compensate the entire crane structure. All compensation is done on the Colibri™ tool itself, minimising the energy required to move its small mass, thus improving performance. Mission changes do not require mobilization or interchanging of parts. The Colibri™ tool can be set in its parked position or re-deployed using its own cylinders, so switching modes from main winch operation to Colibri™ operation is a simple process.



Offshore lift with crane winch



3D motion compensated lift with Colibri tool

Available Sizes

MacGregor Colibri™ cranes are based on a range of robust cylinder luffing cranes. The crane main winch is available from 1T to 50T. The Colibri™ is available as standard in 3T and 5T and can be delivered with a 3rd party certificate from most IACS member societies. Other sizes are available on request.

Standard Features

- Independent crane main winch from 1T to 50T
- Anti-sway function with wind load compensation
- Side-/Off-lead detection
- Colibri™ anti-collision system
- X / Y compensation
- Z compensation
- Camera on jib-tip and Colibri™
- Constant tension function on all winches
- User friendly, touch screen graphical interface (HMI)
- 24/7 remote access system
- Emergency operation
- Safety systems according to applicable class
- High quality marine grade components and surface treatment throughout.
- Remote mounted HPU (tank-top, machinery space)

Optional Features

- Main winch with AHC and subsea capability
- Personnel handling
- Fully redundant HPU array
- Radio remote control
- Remote release load hooks
- IP Camera on jib-tip and Colibri™ with Wi-Fi connectivity
- Crane anti-collision system
- Tugger winches: variable constant tension, 0-80% of SWL (CT-VAR)