

AIRPORT COMPACTION OF RECLAIMED LAND, DOHA, QATAR



NEW DOHA INTERNATIONAL AIRPORT (NDIA)

Client:	Joint Venture - Qatar Dredging Company (QDC), Royal Boskalis Westminster, Great Lakes Dredge & Dock Co
Location:	Doha, Qatar (Middle East)
Machine:	BH-1300 (8t module) & BH-1300HD (12t module)
Scope of Project:	Reclamation of 22km ² in water up to 5m deep.
Details of Project:	Sand dredged from the Persian Gulf placed by cutter suction & hopper dredges, compacted using a fleet of Impact Rollers close to the water level & again at 3m above. Operating conditions were severe for the equipment.
Performance:	Up to 13 Impact Rollers delivered required level of ground improvement for major airport infrastructure & runways. Compaction verified between 2m & 5m in depth.