

List of References by CLI and its partners: Sogreah Consultants
Baird & Associates

Project No	SINGLE LAYER ARMOUR TECHNIQUE Projects	Unit size used (m ³)	Year	Water depth
				h(m)
239	Pakistan – New deep water container terminal in Karachi - Marine protection works include two CORE-LOC™ armoured breakwaters: Manora (870 ml) and Oyster (2800 ml) and improvement of the existing Keamari groin	2.4/6.2/8.5	2010	22.2
237	India - Thengapatinam Fishery harbour located on the south west coast of India (Tamil Nadu state, kanyakumari district)	2/3/3.9/5	2010	11.0
234	Bahamas – Ragged Island – Gun point harbor - Multipurpose harbour for a small island 300 kms southeast of Nassau. Two breakwaters of 300 m long armoured with CORE-LOC™	2.5	2011	6.5
233	Brazil – Açú Commercial port at sao Jao da Barra, north of Rio do Janeiro - New port constructed offshore in 14 m waterdepth – “L” shape breakwater, over 2 km long protected with CORE-LOC™ units	3.9/5	2010	15.8
232	UAE – Das Island IGD - Extension of the existing gas facilities on Das Island, off Abu Dhabi coast - The breakwater located in front of the Northern quay wall is 400 m long and protected with CORE-LOC™ units of greater sizes – A smaller 1.4 m ³ CORE-LOC™ size is used for adjacent coastal protection	1.4/5/11	2010	14.0
227	Oman – Bait Al Barakah - New port protected with two breakwaters - The main one is 1100 m long and the lee breakwater is 800 m long both partially armoured with CORE-LOC™ units	1.3/3/5/ 5.5	2009	9.0
225	Oman – Suwaiq - New marine facilities in Batinah region of Suwaiq, north coast of Muscat - Two breakwaters: 910 m long on the East and 740 m long on the West	1.4 /1.75 /2.4	2009	7.0
220	India – Colachel - New fishing port in Tamil Nadu State-Kanyakumari District - Main breakwater (500 ml) and lee breakwater (100 ml) armoured with CORE-LOC™	2/2.4/3/ 3.9	2009	10.0
219	Oman – Asian Beach Games 2010 Marina near Muscat protected by two breakwaters - 850ml total length	1.4/2	2009	6.7
215	Oman – Hasik Ramp Construction - Construction of a temporary ramp for landing craft in the southern part of Oman	2	2008	5.9
213	Sri Lanka – Colombo – Major western extension of the existing container port, involving construction of a 3500 m long breakwater armoured with CORE-LOC™ units	8.5	2008	20.0

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209	Australia – Cape Preston – New materials offloading facility (M.O.F.) for iron ore export, north west of Australia	3.9/6.2/8.5/11	2009	20.0
206	Oman – Seeb – New fishery harbour located near the airport north of Muscat – 2 breakwaters armoured with CORE-LOC™ units	1.3/1.75/2/2.4	2008	12.5
205	Oman - Muttrah corniche - Repair of a 120 m dolos stretch using CORE LOC™ units along Al Bahri road	3.9	2008	-
202	Oman - Barr Al Jissah Resort and SPA - Repair of a rock armoured breakwater following Gonu cyclone using CORE LOC™ units along a 250 m stretch (breakwater) and 50 m (revetment)	1.4	2008	8.5
201	Saudi Arabia - Marafiq IWPP Industrial project near Jubail - Breakwater and seawater intake channel - protection over 500 m	0.7	2008	6.5
197	Oman - Al Duqum port and dry dock complex - New port at Duqum about 500 kms south of Muscat - Main and lee breakwaters (2.6 and 2.4 km respectively)	3/8.5	2007	19.0
191	India - Pawas bay export facility - 600 ml new breakwater for a private export port on the west coast of Maharastra	5 / 6.2	2007	15.0
190	Oman - Wave muscat - About 1 km -long offshore breakwater located west of Muscat to protect a recreational resort development	5 / 6.5	2007	10.6
189	France - Fos Cavaou gas terminal - Extension of the roundhead of the breakwater protecting the gas terminal N°4 at the industrial bulk port of Fos near Marseilles	2	2007	9.2
186	Oman - Shannah ferry harbour - Protection of new mooring facilities for ferry vessels by an offshore breakwater in Al Wusta region	1.5	2007	8.7
184	South Korea - Busan Geoje fixed-link project - Protection of the deepest part of the immersed tunnel section	5	2007	22.2
183	United Kingdom - Newbiggin Bay - Coastal protection- Construction of a 200 m long detached breakwater into Newbiggin bay located in Wansbeck district	3.9	2007	8.6

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182	Oman - Sohar industrial port extension (phase 3) - Fishing harbour construction north of the existing port involving a new breakwater and revetments protected with new and re-used CORE-LOC™ units	1/1.5 (re-used) 3 (new)	2006	9.4
181	UAE (Sharjah) – Hamriyah free zone harbour – 1500 m long revetment protecting reclaimed land on the west side of the existing port	2	2006	9.4
180	UAE (Sharjah) – Layyah harbour – 500 m long revetment protecting reclaimed land on the west of the port	2	2006	7.4
174	Chile - Puerto de Arica - Rehabilitation of a Tetrapod breakwater on the northern part of the country	5	2005	12.0
173	Barbados - West Indies-New coast guard harbour north of Bridgetown on the western coast of Barbados - Armour protection of the 200m long jetty	2.4/3	2005	6.5
172	Argentina - La Plata port - rehabilitation of training walls - protection of the eastern breakwater	0.9/1.4	2005	2.0
171	Argentina - Camarones - Construction of a new fishing quay protected by a 300 m long curved breakwater	2.4/5.0/6.2	2005	8.0
167	Chile – Coastal protection at San Vicente	0.8	2005	3.0
164	UAE - Khor Fakkan - Construction of two new breakwaters to expand the container port	3.9/5	2004	19.0
163	Kuwait – Island of Umm Al Maradem-New service harbour - Armouring of the 500m long main eastern breakwater	1.4/2.4/5	2004	5.0
162	Oman – Construction of two new breakwaters for the Sohar fishery harbour	1.3/1.6/2	2004	3.0
161	Argentina - Quequen - Rehabilitation of the existing breakwater and construction of 500 m long new breakwater	3.9/5.0/6.2/ 8.5 /11	2004	11.0
160	Eire - Kilkeel - Construction of a rubble mound against an existing vertical pier	2.4/3.9	2004	2.0
158	Qatar – Halul island industrial port extension-Protection of the new 250m long eastern breakwater	1.4/2.4	2003	10.0

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155	Egypt - Idku LNG Terminal - New offshore breakwater of 900m long.	6.2/11	2003	12.0
153	Oman – Sohar seawater intake – End protection of the south breakwater	3	2003	5.0
152	Italy – Gela offshore terminal phase II- New constructor selected for the rehabilitation works of the remaining casting and whole placement to protect the seaside of the existing vertical breakwater	3.9/5	2003	13.0
150	Qatar - Ras Laffan seawater intake. Construction of two new breakwaters	1.4/2.4	2002	6.0
147	UAE – Fujairah - new naval base south of Ormuz straits - Protection of the two new breakwaters	3/5	2002	14.0
146	Chile – Mejillones – Located on Chile’s northern coast - Protection along terminal 1 general cargo (multi purpose and containers)	0.8	2002	14.0
143	Oman – Al Ashkharah fishery harbour - 100 Kms south of Muscat – Protection of the new breakwater	1.5/3 / 4.5/5.5	2002	6.0
141	Qatar - Halul industrial port extension of a Gulf Island located 80 kms east of Doha - Protection of the main breakwater	0.7/1.4/2.4	2001	11.0
137	Oman – Saham new fishery harbour – Protection of the new breakwaters	1.3/2	2001	5.0
127	Italy - Gela Port - Refurbishment of the main caisson breakwater	3.9/5	2000	13.0
120	Oman - Sohar new industrial port - 6Kms of new breakwaters	0.5/1/1.6/3	1999	16.0
117	Eire - Tory Island supply Harbour on an Island north of Ireland - Rehabilitation of the main breakwater	5	1999	7.5
102	Oman - Khaboura offshore pier 150Kms north of Muscat	3	1997	6.5
101	Oman - Dalkut fishing port near Yemen border	6.75/9	1997	8.0