

Single-layer armouring

List of References by CLI and its partners:

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Baird & Associates

Project N°	SINGLE LAYER ARMOUR TECHNIQUE Projects	Type of unit ACCROPODE™: ACC ACCROPODE™ II : ACC II CORE-LOC™: CL ECOPODE™: ECO	Unit size used (m3)	Year	Water depth h(m)
344	India - Chhatrapathi Shivaji Maharaj Memorial – Construction of a 212 m high equestrian statue of Shivaji Maharaj on a reclaimed island in the Arabian Sea in the Back Bay area of Mumbai. The peripheral bund of the reclaimed island and two appended breakwaters will be protected with 22 000 ACCROPODE™ units.	ACC	1 / 1.5	2018	3.3 / 4.7
341	India - Navayuga 2018 (Varsha)	ACC		2018	
340	UAE - Khalifa II	ACC		2018	
338	Lebanon - Ghadir extension	ACC		2018	
337	Tunisia - Port de pêche de Teboulba – The works are located 25 km South of Monastir. The port is protected by two dikes (DP-1200 meters and DS-220 meters) covered by 9 000 ACCROPODE™ blocks.	ACC	1	2018	-3.5
336	Lebanon – Eastern Marina – SOLIDERE	ACC		2018	
323	Lebanon – St Bourj Hammoud and Jdaideh Sanitary Landfills – shore protection of two sanitary landfills for the waste storage.	ACC	12 / 16	2017	12
320	Lebanon - Adloun fishery harbour Phase II – Second phase of the new fishery harbour of Adloun.	ACC	16	2017	12
317	Lebanon – Dbaiyeh Highway – coastal protection for the rehabilitation of the highway. Rehabilitation of Dbaiyeh highway to the north of Beirut in Lebanon. This project involves the use of ACCROPODE™ Technology for a 1.4km long shore protection.	ACC	6.3 / 9 / 12 / 18	2016	5
313	Lebanon Construction & Operation of Ghadir Sanitary Landfill (Costa Brava) – Shore protection for Ghadir sanitary landfill site.	ACC	9	2016	6
312	Tunisia – Ben Ghayada - Works of the water accessibility for Ben Ghayada plan -. The accessibility to the port from the sea is realized thanks to the channel protected by two breakwaters protected with blocks ACCROPODE™.	ACC	0.8 / 1.5 / 3	2016	4
311	Morocco - Tangier Med II - Secondary Breakwater Extension - The purpose of the secondary breakwater extension is to reduce the agitation inside the harbour caused by swells coming from the north-east of the port. This extension is protected by blocks ACCROPODE™.	ACC	4	2016	25
310	Lebanon – Adloun Phase 1 – first phase for the new fishery harbour of Adloun.	ACC	16	2016	7

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306	Hong-Kong - Hong Kong Boundary Crossing Facilities – Protection of the most exposed part of the reclamation work from the HKBCF island. 1550.0.0m protected with artificial blocks. This 130ha reclamation facility is to accommodate a large hub connecting Hong-Kong. Hong-Kong airport and mainland China.	ACC	0.8	2016	6
299	Bulgaria - Pomorie Fishing port - Protection of the new fishing port at Pomorie on the Black sea. The breakwater stretch is 350.0.0m long and protected with artificial blocks.	ACC	2 / 3	2015	6
298	Cape Verde - Llana Beach Rehabilitation - Protection of two 150.0.0m long groynes hosting a reclaimed sand beach.	ACC	2	2015	5
296	Tunisia . Sousse STEG Centrale - Oued Hamdoun Offshore breakwater laying on a quasi-flat improved seabed at -3.0.0m and rising at +3.0.0m using ACCROPODE™ units.	ACC	0.8 / 1	2015	3
293	Saudi Arabia - Yanbu Power and Desalinisation plant phase III - The offshore part of the project included executing the Causeway and Outfall channels both protected with ACCROPODE™ blocks. The lower level of the ACCROPODE™ structure is located at -11.0 m and highest at + 6.25 m on the crest.	ACC	1.5	2014	2
292	Bulgaria - Chernomoretz Fishing Harbour - The port is located 20km South-East of Burgas facing the Black sea. The length of the breakwater is 300.0.0m long and the maximum depth is -9.3.0.0m.	ACC	2 / 3	2014	5
289	Lebanon – Saida Port	ACC	16	2014	-
288	Tunisia – Gabès Fishing Harbour. The project is protected with offshore breakwater of 900 m long protected with ACCROPODE™ blocks laying on a seabed at -7.0 m rising up to +3.40.0.0m on the crest.	ACC	1.5 / 2.5	2015	7
285	India - Shell Hazira HTPL - local repair of shore protection - Hazira (Surat) Port project is situated on the West coast of Indian Gujarat State. about 25 km from Surat city. Rehabilitation of the shoreline by using ACCROPODE™ blocks 2.5 m3.	ACC	2.5	2014	2.9
281	India - Jaigarh Bkw Extension – Permanent Port at Dhamankul bay in the state of Ratnagiri (west coast) . 200.0.0m extension of the main breakwater.	ACC	9	2014	9

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277	Turkmenistan – Kiyanli - Petronas Supply Harbour – Protection of two breakwaters. The main breakwater. located on seabed levels of up to -5.8 m. is around 900 meters long. The secondary breakwater. located on seabed levels of up to -6 m. is around 350 meters long. The most exposed sections of the two breakwaters are protected using ACCROPODE™ units 1.0 ; 1.5 and 2.5 m3 .	ACC	1 / 1.5 / 2.5	2014	6
270	Italy – Venise Mose project – Rehabilitation of the eastern roundhead of the offshore breakwater at the San Nicolo mouth	ACC	6.3	2013	9
269	France – Port La Nouvelle – Repair of the northern head of the Port la Nouvelle harbour in the south of France. using a limited number of 4.0.0m³ ACCROPODE™ units	ACC	4	2013	6
267	Tunisia – El Karraya – Small harbour near Monastir. southern Tunisia. Short breakwater refurbished with a new roundhead armoured with 1.5 m³ ACCROPODE™ units	ACC	1.5	2013	3
265	Tunisia – El Haouaria – Small fishery harbour in Cap Bon gulf on the northeast coast of Tunisia. The 200 m long rubble mound is protected with 1.5.0.0m³ (trunk) and 2.5.0.0m³ (head) ACCROPODE™ units	ACC	1.5 / 2.5	2013	3
263	Saudi Arabia – Shoaiba Stage II – This new power plant is located on the Red sea about 100 km south of Jeddah. Three revetments protect the intake and outfall structures armoured with 1.5.0.0m³ . 2.5.0.0m³ and 5.0.0m³ ACCROPODE™ units	ACC	1.5 / 2.5 / 5	2013	12
262	UAE – Zirku Intake Jetty - Construction jetty and seawater intake located north of Zirku island. 70 km offshore Abu Dhabi coast. The "L" shape offloading jetty is 830 m long and its revetment armoured with ACCROPODE™ units of 1.5.0.0m³ and 2.2.0.0m³	ACC	1.5 / 2.2	2013	11
261	Lebanon – Saida Waste – Seawall protection of the waste disposal south of Saida city. The 2.1 km long protection is armoured with 12 m³ ACCROPODE™ units	ACC	12	2012	12
252	Tunisia – Sousse - Strengthening the revetment of the northern groin over 140 m long stretch within the Commercial Port of Sousse	ACC	0.8	2011	5
251	Western Arabian Gulf Coast - shore protection stage 2- Housing and industrial property project - 2000 Ha of reclaimed land - ACCROPODE™ used for the eastern and northern seawall breakwaters and revetments	ACC	1.5	2011	7

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249	Lebanon - Summerland Marina - Phase II – Second phase development of the Kempinski resort marina including a 300 ml main south breakwater and a 200 ml secondary one on the north. all protected with 12 m³ ACCROPODE™	ACC	12	2011	8
247	Lebanon – Beirut Port Ext. Quay 16 – Eastern extension of the container quay 16 - ACCROPODE™ armoured revetment of the most exposed reclaimed land	ACC	4	2011	10
243	India - Karaikal - Phase 2 - Extension of both breakwaters at the port entrance by about 500 m in deeper water in alignment of the existing breakwaters	ACC	3 / 4	2011	7.5
242	Lebanon - Summerland Marina - Phase I - Small marina for the Kempinski hotel and resort located on the Beirut seashore - A limited number of 12 m³ ACCROPODE™ units were placed for this temporary construction phase	ACC	12	2010	8
241	Oman – Muttrah corniche repairs - Repair works to Phet storm damage at Muttrah cornice - Dolos were replaced along 60 m stretch by 3.0.0m³ ACCROPODE™ units	ACC	3	2010	7.6
240	Morocco - Tanger Med II - New container port located 35 kms East of Tangiers with breakwaters of 2560 m and 310 m long armoured with ACCROPODE™ units	ACC	4 / 6.3 / 9	2010	24
238	Cyprus - Limassol Marina - Major marina near Limassol South of Cyprus island. to protect boats of 5.0.0m to 60.0.0m in length - The protection is ensured by two breakwaters of 700 m long in total. most of it armoured with ACCROPODE™	ACC	2 / 4 / 5	2010	14.2
236	Cape Verde - extension of the SAL-REI harbour on the north west of the Boavista Island including a protection of approximately 1 050 m length protected with ACCROPODE™ units on 580 m	ACC	3 / 4	2011	12
231	India – Kattupalli - This new port is located north of Chennai on the East coast of India - The total length of the breakwaters is over 2 km . protected on their trunk with ACCROPODE™ units and on their roundheads with ACCROPODE™ II (second generation) units	ACC & ACC II	2.5 / 4 / 6.3	2010	12
230	Libya – Tripoli port - Complete new ACCROPODE™ primary armour on top of the damaged Tetrapod armour – Adapted repair design along the 3600 m long main breakwater	ACC	6.3 / 9	2009	16
229	Algeria – Arzew – Construction of a new LNG plant - Export loading facilities	ACC	4 - 6.3	2009	7.5
226	Oman – Shinas - modification of the existing layout of the Shinas harbour at Oman in order to integrate a new fast ferry facility	ACC	3	2009	8
224	Tunisia – Skhira - New layout of water intake of Skhira chemical plant	ACC	0.8 / 1	2009	4.5

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223	Libya – Al Mresa - Fishing harbour near Benghazi - 1700 m of breakwaters	ACC	2 / 2.5	2009	4
222	Saudi Arabia – Shoaiba Power Plant stage 3 - Extension of the plant located on the Red Sea - Protection of the new intake works north of the existing one	ACC	1.5 / 2.5	2011	3
221	Cape Verde – Palmeira Port Phase 1 Modernization of the commercial port located west of Sal Island - Breakwater extension in 6 m of waterdepth	ACC	2	2009	8
218	Bahrein – Muharraq sewage treatment plant - STP square reclamation works south east offshore of the greater scheme protected with 1.5.0.0m³ ACCROPODE™ units	ACC	1.5	2009	7
216	Libya – Tripoli Marina Phase 2 Second stage of works protecting the marina itself. including the main and lee breakwaters	ACC	2 / 4 / 6.3	2008	7.5
214	Oman – Jalali – Complete repair of the 300 m long revetment in front of the royal palace. further to the failure of the hollow units following Gonu hurricane	ACC	16	2008	17.3
212	Iran – Pars Flare Substructure – Protection of reclaimed land in shallow water within the Pars project industrial area	ACC	1 / 2	2008	9.4
211	UAE – Abu Dhabi – Khalifa – Extension of the existing commercial harbour – Works include several kilometers of breakwaters and revetments extending out in the sea	ACC	1.5 / 2.2	2008	12.4
210	Libya – Tripoli Marina – New marina located just west of the capital – First stage of works consisting of coastal protection	ACC	2 / 4	2008	6
208	St Marteen – Phillipsburg – Extension of the ferry terminal located in the Dutch part of the island – The new breakwater protects the QE2 quay	ACC	12 / 16	2008	13.5
207	India – Karaikal – New private industrial harbour south of Pondicherry – 2 breakwaters protect the entrance of the port constructed in land	ACC	2.5 / 3	2008	7.5
204	Western Arabian Gulf Coast - shore protection - housing and industrial property project - 2000 Ha of reclaimed land - ACCROPODE™ used for the eastern and northern seawall breakwaters and revetments	ACC	1.5	2008	7
203	India – Jaigarh port - Greenfield all weather port facility at Dhamankul bay in Ratnagiri state (west coast) - Protection of the main breakwater (520 m)	ACC	9 / 12	2008	15.2
199	Italy - Ortona port extension phase II - East coast of Italy (Adriatic seaside) - Main breakwater extended by 500 ml	ACC	4 / 6.3 / 9 / 12	2007	13
198	Tunisia - Bekalta fishing Harbour - Extension works at Belkata near Monastir - Main breakwater : 140 ml (south) Secondary breakwater : 75 ml (north)	ACC	1.5 / 2	2007	5.5

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196	Libya - Garabulli fishing harbour - New port located 60 kms east of Tripoli - Main breakwater (500 ml) and roundhead of the Secondary breakwater	ACC	3 / 6.3	2007	7.5
194	Morocco - Tanger Roro platform - New specialised terminal next to the container port - Two breakwaters and shore protection are rubble-mounds armoured with various ACCROPODE™ sizes	ACC	4 / 6.3 / 9 / 12	2007	20
193	Qatar - Ras Laffan LNG port expansion - 5 kms of protection of the deepest stretches of the northern and southern breakwaters as well as the offshore breakwater located in the entrance of the new LNG port	ACC	3 / 4 / 5	2007	14.6
192	Martinique - Grand Rivière fishing harbour - Extension of the fishing harbour with a completely new main breakwater	ACC	1.5 / 5	2007	5.7
187	Chile - Loma larga platform - Repair of the existing reclamation located near Valparaiso	ACC	5	2006	3
185	La Reunion - Sainte Suzanne anti-flooding scheme - Construction of two short parallel breakwaters to frame the river outlet channel	ACC	2 / 3	2007	6.3
179	Tunisia - Hammamet marina - 150 m long extension of the existing main breakwater	ACC	6.3	2006	6
178	La Reunion - Port est - Protection of the spur at the entrance of the port	ACC	12	2006	17.5
177	India - Gangavaram port - The extension of the commercial port requires the construction of two new breakwaters	ACC	2.5 / 4 / 6.3 / 9 / 12	2006	15
176	Oman - Salalah container port - 3 km long breakwater to protect the new container berths located in deeper water	ACC	12	2006	23
175	Yemen - Bal Haf LNG terminal - Construction of a new breakwater and shore protection of the LNG facilities	ACC	1.5 / 2.5 / 4	2006	19
170	Italy - Oneglia commercial port near Imperia city on the Liguria coast - Armour protection of the main and lee breakwater	ACC	4 / 2.5	2005	10
169	Thailand - Map Ta Phut cooling water intake lagoon - Second phase of works involving the construction of an armoured protection for intake works	ACC	2 / 2.5	2005	4.5
168	Italy - Port of Ortona - 820.0m long extension of the existing northern breakwater	ACC	4 / 6.3	2005	10
166	Lebanon - Extension of the main jetty in Tripoli	ACC	9 / 12	2005	10
165	Kuwait - Fintas Marine Center - New harbour for Kuwait University on the south part of the country - Protection of the 520.0m long main breakwater	ACC	2.5 / 3	2004	4.5
159	Morocco - New container port of Tangiers - Construction of the main and lee breakwaters	ACC	4 / 9 / 16	2003	20

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157	Italy – Protection of Venetia against flooding; construction of the off shore breakwater at Chioggia entrance	ACC	6.3	2003	12
156	Italy – Protection of Venetia against flooding; construction of the offshore breakwater at the Malamocco entrance	ACC	6.3 / 4	2003	12
154	Netherlands Antilles – Rehabilitation of the main breakwater at the Fort Bay Harbour on the Island of Saba	ACC	4 / 6.3 / 9 / 16	2003	11.6
151	Malta – Extension of the existing breakwater at the Cirkewwa ferry terminal	ACC	9 / 16	2002	12
149	India - Construction of 2 breakwaters for the Hazira LNG terminal	ACC	4 / 6.3	2002	13
148	United Kingdom – Coastal road protection-Construction of a protective seawall in Scarborough	ACC	6.3 / 9	2002	6
145	France - Construction of new breakwaters in Le Havre as part of the Port 2000 project	ACC	1.5 / 2 / 3	2002	10.7
144	Dominican Republic - Construction of the breakwater protecting Caucedo multimodal terminal	ACC	4 / 9 / 16	2002	16
142	Martinique - Coastal protection for the RD10 road in the commune of Le Prêcheur	ACC	2.5	2002	2
140	Bulgaria - Breakwater protecting Bourgas harbour	ACC	2 / 3	2001	12
139	Hong Kong - Protection of the new container terminal no. 9	ACC	2 / 3	2001	16.6
138	Lebanon - Protection for the marina at the Movenpick Hotel	ACC	16 / 18	2001	
136	Argentina - Construction of the breakwater protecting Rawson harbour entrance	ACC	1 / 2 / 3	2001	7
134	Spain - Breakwater protecting La Esfinge in Las Palmas – Canaries islands - Gomera	ACC	12 / 16	2001	24
133	Vietnam - Construction of a breakwater to protect Dung Quat refinery	ACC	2 / 4 / 6.3 / 9 / 12 / 16	2001	16
132	Yugoslavia - Renovation of the breakwater at LUnited Kingdomba Bar harbour	ACC	5	2000	16
131	Malta - Protection of the reclaimed land for the Cirkewwa ferry terminal	ACC	1.5	2000	3.5
130	Tunisia - Reinforcement of the main breakwater at Sidi-Mechreg harbour	ACC	2.5 / 4 / 6.3 / 9	2000	6
129	France - Breakwater protecting the road link between Frontignan and Sète - Phase II	ACC	4	2000	7
128	France - Protection for the coastline of Les Buttereaux in St Pierre et Miquelon	ACC	2.5	2000	1
126	Monaco – Underwater slope protection in front of caissons of the Condamine Port	ACC	4	2000	20
125	Japan – Second stage of marine works at the Higashi-Dori power station	ACC	4 / 6.3 / 9 / 12 / 14 / 18	2000	12
124	Japan – Protection of the South revetment of Ohma nuclear power plant	ACC	3 / 16	2000	9
123	Seychelles – Repair of the breakwater for a yacht harbour on Fregate Island	ACC	2	2000	4.5

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121	Tunisia – Construction of the North breakwater of the Rades intake canal	ACC	0.8 / 1.5	1999	3.5
119	Saudi Arabia – Intake works protection of the Shoaiba thermal power plant	ACC	1.5	1999	21.5
118	France – Reinforcement of the South jetty of Gruissan previously armoured with stones	ACC	4	1999	6
116	India – 1.2 km offshore breakwater for the new Dabhol LNG terminal	ACC	9 / 12	1999	9.7
115	Chile – Repair of the Loma Larga platform protecting the water treatment plant near Valparaiso	ACC	5	1999	7
114	Netherlands Antilles - Breakwater protection for access to new cruise liner jetty – St-Maarten	ACC	6.3	1999	14.5
113	France (Corsica) - Reinforcement of the North Jetty breakwater at Bastia	ACC	4 / 6.3	1999	13
112	Libya - New port at Sirte - Main and secondary breakwaters	ACC	3 / 6.3 / 9 / 12	1998	10
111	France - Renovation of existing breakwater at the Port of Argeles	ACC	4 / 6.3	1998	8
110	Japan – Okinawa - Protection to a reclaimed area of land at Kim Power Plant	ACC	2.5	1998	6
109	Poland - East training wall for mouth of River Wisla Smiala	ACC	1.5 / 2.5	1998	7.5
108	Tunisia - New marina at Hammamet-Sud - Breakwaters	ACC	2.5 / 4 / 6.3	1998	7.5
107	Tunisia - Strengthening of a northern breakwater at the commercial harbour of La Goulette	ACC	2.5 / 4	1998	7
106	Egypt - Detached submersible breakwaters for shore protection works at Cleopatra in Alexandria	ACC	1.5	1998	6
105	Taiwan - Protection of landfill platform at Chang-Hua	ACC	2	1998	6
104	France (Corsica) - Rehabilitation of Toga Marina breakwater near Bastia	ACC	9	1998	15
103	Lebanon - Protection for Beirut Central District project and Western Marina breakwater	ACC	4 / 6.3 / 9 / 14 / 16	1998	20
100	Japan - Protection of landfill platform Phase 2 - Hitachinaka power station project	ACC	12	1997	14.5
99	India - Breakwater protection works at Ennore Satellite Port near Madras	ACC	4 / 5 / 6.3	1997	13
98	Japan - External protection for reflecting caisson structure in deep water at Haramachi	ACC	6.3 / 9	1997	13
97	Hong Kong - Protection for a reclamation area and an offshore breakwater for the container port - River Trade Terminal 38	ACC	2.5 / 3	1997	20
96	Malaysia - Protection of groynes to assist in beach nourishment at Dungun	ACC	0.8 / 1 / 2	1997	5.1
95	Japan - Protection of reclaimed land area at Hibikinada - Phase 2	ACC	4	1997	13
94	Japan - Protection of a roundhead structure at Shin Isogo Power Station	ACC	2	1997	10.5

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93	Japan - Breakwater protection works at Higashi Dori nuclear power station	ACC	4 / 6.3 / 9 / 12 / 14 / 16 / 18 / 20	1997	12
92	Lebanon - Port of Beirut further extension of Main Breakwater	ACC	16 / 18	1997	21
91	Thailand - Protection of reclaimed land at Map Ta Phut Industrial Port (phase 2)	ACC	1 / 2 / 2.5	1997	10
90	Tunisia - Construction of breakwater extension to Beni Khiair fishing harbour	ACC	2.5 / 4	1997	8
89	Tunisia - Construction of breakwater protection for El Haouaria fishing harbour	ACC	1.5 / 2.5 / 4	1997	5.4
88	Philippines - Construction of breakwater protection to an outfall channel at Masinloc	ACC	0.8 / 1.5	1997	9.3
87	Japan - Protection of reclaimed land area at Hibikinada	ACC	4	1996	12.6
86	St-Barthelemy - Erosion protection for a small quay structure at Gustavia	ACC	6.3	1996	6.1
85	Malaysia - Protection of reclaimed land at Chendering Fishery Harbour	ACC	0.8 / 1	1996	3.6
84	Oman - Construction of new protection breakwaters for SUR Fishery Harbour	ACC	2.5 / 4 / 6.3 / 9	1996	10.5
83	Ivory Coast - Construction of a breakwater to prevent sand transportation near the port of Abidjan	ACC	4 / 6.3	1996	20
82	Tunisia - Extension of the protection breakwater for La Chebba Fishery Harbour	ACC	1.5	1996	4.6
81	Tunisia - Construction of a new protection breakwater for Cap Zebib Fishery Harbour	ACC	4	1996	6.8
80	Argentina - Protection for reclaimed land at Comodoro Rivadavia	ACC	1	1996	5
79	Malaysia - Construction of new protection breakwaters for Kuala Besut estuary	ACC	0.8 / 1.5 / 3 / 4	1996	5
78	Uruguay - Extension of the existing breakwater of the Port of Piriapolis	ACC	2.5	1995	12
77	France - Extension of the breakwater for Port Joinville Marina on the Isle of Yeu	ACC	2.5	1995	7.7
76	Oman - Construction of new protection breakwaters for Shinas Fishery Harbour	ACC	1 / 2 / 3	1995	6.7
75	Oman - Construction of new protection breakwaters for Quriyat Fishery Harbour	ACC	2 / 3 / 4	1995	4
74	Spain - Construction of the new breakwater for Algeciras Marina	ACC	6.3 / 9	1995	11
73	Spain - Construction of the new breakwater for Port Bou Marina	ACC	6.3 / 9	1995	15
72	Argentina - Extension of the main breakwater of the port of Comodoro Rivadavia	ACC	6.3 / 9	1995	8
71	Oman - Breakwaters of the new Al Nadi Al Bahri marina	ACC	3 / 5 / 6.3	1994	5
70	Tunisia - Reinforcement of the roundhead of Sousse Harbour	ACC	4	1994	5.9
69	France - Extension of the main breakwater in Palavas-les-Flots marina	ACC	2 / 3	1994	5

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68	France - Rebuilding of the roundhead on Saint Nicolas jetty and the 8th berth in Bastia commercial harbour	ACC	2.5 / 9 / 12	1994	13
67	Italy - Construction of the new main breakwater in Ciro Marina	ACC	12	1994	12
66	Oman - New jetty at Mina al Fahal oil terminal near Muscat	ACC	4	1994	4
65	Japan - Protection of the landfill platform at the new Nakaminato power plant	ACC	12	1993	14.5
64	Spain - Protection of the marina basin at Melilla (North Africa)	ACC	4	1993	9
63	Tunisia - Construction of the extension to the main breakwater in Ghar el Mehl fishing harbour	ACC	2.5 / 4	1993	7
62	French Antilles - Construction of the roundhead on the main breakwater of Galisbay commercial harbour in Saint-Martin (French West Indies)	ACC	6.3	1993	5
61	Comoro Islands - Protection of the new runway extension at Pamandzi airport. Mayotte	ACC	2.5	1993	8
60	Greece - Coastal protection at Ixia on the North of the Island of Rhodes by the construction of detached breakwaters built off shore	ACC	1.5	1993	5
59	France - Coastal protection of a reclaimed platform for building a new treatment plant at Cap Sicié. near Toulon	ACC	6.3	1993	5
58	Oman - Construction of a new dyke to protect a reclaimed land for container storage at Mina Qaboos near Muscat Harbour	ACC	5	1993	11.5
57	France - Rehabilitation of the main breakwater (originally protected with armour stone) of the Pointe Rouge Marina in Marseille	ACC	4 / 6.3	1992	10
56	New Caledonia - New port of We - Main breakwater	ACC	4 / 6.3	1992	12
55	Macau - New international Macau Airport - Protection of the entire reclaimed platform	ACC	0.8 / 4 / 6.3	1992	5
54	Thailand - New industrial Prachaup Port - Main breakwater	ACC	4 / 5	1992	11
53	Greece - Island of Rhodes - Plimiri Harbour - Extension of the main breakwater	ACC	6.3	1992	5
52	France - Gruissan Harbour - Rehabilitation of a roundhead (previously stone armoured) at the entrance of the harbour	ACC	4	1992	6
51	New Caledonia - New Port of Tadine - Main breakwater	ACC	2.5 / 3	1992	10
50	Martinique - Shore protection - Supply of blocks to protect several sites on the island coastline	ACC	1 / 1.5 / 2.5	1992	-
49	France - Commercial Port of Sete - Dellon offshore breakwater - Rehabilitation of the seaward roundhead (previously armoured with Tetrapodes)	ACC	20	1992	14.5
48	United Kingdom - Construction of the new South pier at Hartlepool Marina	ACC	2.5 / 4	1991	2.4
47	France - Extension of East and West jetties Gravelines harbour	ACC	2.5 / 4 / 6.3	1991	7

Single-layer armouring

List of References by CLI and its partners:

Artelia EE (Sogreah Consultants)
Baird & Associates

Project N°	SINGLE LAYER ARMOUR TECHNIQUE Projects	Type of unit ACCROPODE™: ACC ACCROPODE™ II : ACC II CORE-LOC™: CL ECOPODE™: ECO	Unit size used (m3)	Year	Water depth h(m)
46	Martinique - Consolidation of breakwater. Bellefontaine terminal	ACC	4	1990	8
45	Spain - Protection of the main breakwater. new marina at Palamos (near Barcelona)	ACC	9 / 12	1990	15
44	Japan - Protection of a thermal power plant at Haramachi	ACC	4 / 6.3 / 9 / 12	1990	10
43	Spain - Protection of the main breakwater. new marina at Mazagón (near Huelva)	ACC	2.5 / 4	1990	5
42	Netherlands Antilles - Rehabilitation of breakwater - Saba harbour	ACC	2.5 / 4 / 6.3	1990	3
41	Lebanon - Development of Beirut north shore	ACC	16 / 18	1989	10.5
40	France - Consolidation of main breakwater. Nice Harbour	ACC	16	1989	8
39	France (Corsica) - Extension to Toga fill platform 2nd stage	ACC	9	1989	9
38	Macau - Protection of an earthfill Platform for oil tankers. port of Ka-Ho	ACC	5	1989	7.3
37	United Kingdom - Restructuring of a roundhead Port of Tees and Hartlepool	ACC	2.5	1989	0
36	France - Frontignan fishing harbour New breakwaters	ACC	4	1989	5
35	France - New marina at Saint-Denis d'Oléron	ACC	0.8 / 1.5	1988	1.5
34	French antilles - Protection of Jeanne d'Arc quay on Saint-Barthélémy (French West Indies)	ACC	1.5	1988	4
33	Uruguay - Punta Carretas - Coastal protection	ACC	1.5 / 2.5	1988	0
32	France (Corsica) - Extension of Toga fill platform - 1st stage	ACC	4 / 6.3	1988	9
31	Morocco - Shore protection for the new Hassan II mosque. Casablanca	ACC	6.3	1988	2
30	Martinique - Commune of Grand'Rivière Coastal protection	ACC	1.5	1988	0
29	Martinique - Shelter for fishing boats at Grand'Rivière	ACC	1.5	1988	2.5
28	United Kingdom - New breakwater - Port of Tees and Hartlepool	ACC	0.8	1988	2.7
27	South Africa - Lynch Point marina Main breakwater	ACC	4	1987	5
26	Lebanon - Portemilio marina - Main breakwater	ACC	16	1987	11.5
25	France - Breakwater in the estuary of the river Aude	ACC	2.5	1987	4
24	France (Corsica) - New marina at Toga	ACC	4 / 9	1987	8.5
23	Guadeloupe - Extension to the breakwater in Beauséjour harbour/La Désirade	ACC	1.5	1987	2
22	Martinique - Coastal protection in the commune of Marigot	ACC	1.5	1987	1
21	Morocco - Temporary protective breakwater during construction of new Hassan II mosque. Casablanca	ACC	6.3	1987	2
20	Spain - New marina and fishing harbour at Llança - Protective breakwaters	ACC	6.3 / 9	1986	10
19	Lebanon - Beirut commercial harbour Extension of the main breakwater	ACC	16 / 18	1986	8.5

Single-layer armouring

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Project N°	SINGLE LAYER ARMOUR TECHNIQUE Projects	Type of unit ACCROPODE™: ACC ACCROPODE™ II : ACC II CORE-LOC™: CL ECOPODE™: ECO	Unit size used (m3)	Year	Water depth h(m)
18	Tunisia - New fishing port at Monastir Main and secondary breakwaters	ACC	1.5 / 2.5 / 4	1986	5
17	France - New sea outlet for the Rhone/Sète canal near Sète - Eastern breakwater	ACC	4	1986	5.5
16	France (Corsica) - Ile Rousse commercial harbour and marina - Consolidation of the main breakwater	ACC	4	1986	6.5
15	Spain (Canary Islands) - New marina at Puerto Colon - Main breakwater	ACC	6.3 / 9	1985	10
14	Martinique - Protection of the coastal road at Saint-Pierre	ACC	1.5	1985	0
13	France (Corsica) - Bastia commercial port Consolidation of the main breakwater 2nd stage works	ACC	6.3	1985	25
12	Martinique - Grand Rivière fishing harbour - Main breakwater	ACC	1.5	1985	2.5
11	France - Molène passenger harbour (Brittany) Consolidation of main breakwater	ACC	12	1985	1
10	France - Frioul marina - Consolidation of main breakwater	ACC	4	1984	2.6
9	France - Calais commercial port - New eastern breakwater	ACC	4 / 6.3 / 12	1984	17
8	France (Corsica) - Bastia commercial harbour Consolidation of main breakwater - 1st stage	ACC	4	1983	5.8
7	South Yemen - Al MUlited Kingdomallla commercial port - Main Breakwater	ACC	5 / 6.3	1983	7
6	Tunisia - Monastir marina - Breakwater at entrance to port	ACC	6.3	1983	4
5	Tunisia - New fishing harbour at Bizerte-Zarzouna - Main and subsidiary breakwaters	ACC	4 / 6.3 / 9	1983	7
4	Egypt - New commercial port at Damietta Eastern and western breakwaters	ACC	1.5 / 4 / 9	1982	7
3	Martinique - Bellefontaine terminal	ACC	4	1981	8
2	France (Corsica) - Toga fill platform	ACC	4	1981	3.5
1	France - Port of Sète - Eastern breakwater	ACC	4	1981	9