

ENGIE Axima Navy Vessels Reference List



No.	Ship owner	Ship type	Ship name	Ship Class	Shipyard	Year	HVAC system	CBRN protection	Chilled Water Plant	Provision Cooling Plant	Fire fighting
1	Abu Dhabi Navy	Corvette	Baynunah	Baynunah Class	CMN Cherbourg	2008	X	X	X		X
2		Corvette	Al Hossen	Baynunah Class	Abu Dhabi Shipbuilding	2010	X	X	X		X
3		Corvette	Al Dhafra	Baynunah Class	Abu Dhabi Shipbuilding	2011	X	X	X		X
4		Corvette	Mezyad	Baynunah Class	Abu Dhabi Shipbuilding	2014	X	X	X		X
5		Corvette	Al Hili	Baynunah Class	Abu Dhabi Shipbuilding	under construction	X	X	X		X
6		Corvette	Al Jahili	Baynunah Class	Abu Dhabi Shipbuilding	under construction	X	X	X		X
7	Algerian Navy	Frigate	Erradii	Meko A 200	TKMS	2016	X	X	X	X	X
8		Frigate	El Moudamir	Meko A 200	TKMS	2016/17	X	X	X	X	X
9	Australian Navy	Frigate	Anzac	Meko 200	Transfield	1996	X		X	X	X
10		Frigate	Arunta	Meko 200	Transfield	1998	X		X	X	X
11		Mine hunter	Huon	10 Huon (Gaeta) Class	Intermarine/ADI Newcastle	1999		X	X		X
12		Mine hunter	Hawkesbury	8 Huon (Gaeta) Class	ADI Newcastle	2000		X	X		X
13		Mine hunter	norman	9 Huon (Gaeta) Class	ADI Newcastle	2000		X	X		X
14		Frigate	Warramunga	Meko 200	Tenix Defence System	2001	X		X	X	X
15		Mine hunter	Gascoyne	7 Huon (Gaeta) Class	ADI Newcastle	2001	X	X	X		
16		Frigate	Stuart	Meko 200	Tenix Defence System	2002	X		X	X	X
17		Mine hunter	Diamatina	6 Huon (Gaeta) Class	ADI Newcastle	2002	X	X	X		
18		Frigate	Parramatta	Meko 200	Tenix Defence System	2003	X		X	X	X
19		Mine hunter	Yarra D	5 Huon (Gaeta) Class	ADI Newcastle	2003	X		X		
20		Frigate	Ballarat	Meko 200	Tenix Defence System	2004	X		X	X	X
21		Frigate	Toowomba	Meko 200	Tenix Defence System	2005	X		X	X	X
22		Frigate	Perth	Meko 200	Tenix Defence System	2006	X		X	X	X
23		OPV	Arrafura	OPV 80	ASC Osborne	under construction	X		X	X	X
24		OPV	TBD	OPV 80	ASC Osborne	under construction	X		X	X	X
25		OPV	TBD	OPV 80	ASC Adelaide	under construction	X		X	X	X
26		OPV	TBD	OPV 80	ASC Adelaide	under construction	X		X	X	X
27		OPV	TBD	OPV 80	ASC Adelaide	under construction	X		X	X	X
28	Bangladesh Navy	Frigate		F25	DSME	2000	X	X			

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29	Brazilian Navy	Patrol forces	Guajar	12 Graja Class	Peenewerft	1995	X	X	X	X	
30		Patrol forces	Guapor	12 Graja Class	Peenewerft	1995	X	X	X	X	
31		Patrol forces	Gurup	12 Graja Class	Peenewerft	1995	X	X	X	X	
32		Patrol forces	Gurupi	12 Graja Class	Peenewerft	1996	X	X	X	X	
33		Patrol forces	Guaratuba	12 Graja Class	Peenewerft	1999	X	X	X		
34		Patrol forces	Gravata	12 Graja Class	Peenewerft	2000	X	X	X		
35		Submarine	Tikuna	209 Type 1400 mod.	Marine Arsenal Rio de Janeiro	2005	X		X	X	
36		Submarine	Tapajo	209 Type 1400	Marine Arsenal Rio de Janeiro	1999	X		X	X	
37		Submarine	Timbira	209 Type 1400	Marine Arsenal Rio de Janeiro	1996	X		X	X	
38		Submarine	Tamoio	209 Type 1400	Marine Arsenal Rio de Janeiro	1994	X		X	X	
39	Submarine	Tupi	209 Type 1400	HDW	1990	X		X	X		
40	Colombian Navy	Submarine		209 Type 1200	HDW	2016	X		X	X	
41		Submarine		209 Type 1200	HDW	2013	X		X	X	
42		Submarine		209 Type 1200	HDW	2010	X		X	X	
43		Submarine		209 Type 1200	HDW	2008	X		X	X	
44		Submarine	Pijao	209 Type 1200	Howaldtwerske-Deutsche Werft kiel	1975 / 2012	X		X	X	
45		Submarine	Tayrona	209 Type 1200	Howaldtwerske-Deutsche Werft kiel	1975/ 2012	X		X	X	
46	Egyptian Navy	Frigate	Tahya Misr	Fremm	Naval Group	2016	X	X	X		
47		LHD	Gamal Abdel Kader	Mistral	Chantiers de l'Atlantique	2016	X	X	X	X	
48		LHD	Anouar el Sadate	Mistral	Chantiers de l'Atlantique	2016	X	X	X	X	
49		Corvette	El Fateh	Gowind	Naval Group	2017	X		X		
50		Corvette	Port Sad	Gowind	Al Tersana Alexandria Shipyard	2019	X		X		
51		Corvette	El Moez	Gowind	Al Tersana Alexandria Shipyard	under construction	X		X		
52		Corvette	TBD	Gowind	Al Tersana Alexandria Shipyard	under construction	X		X		
53		Submarine	NB 449	209/1400	TKMS	under construction	X	X	X	X	
54		Submarine	NB 450	209/1400	TKMS	under construction	X	X	X	X	
55		Submarine	NB 447	209/1400	TKMS	2014	X	X	X	X	
56		Submarine	NB 448	209/1400	TKMS	2014	X	X	X	X	
57		Frigate	TBD	Meko 200	TKMS	under construction	X	X			X
58		Frigate	TBD	Meko 200	TKMS	under construction	X	X			X
59		Frigate	TBD	Meko 200	TKMS	under construction	X	X			X
60	Frigate	TBD	Meko 200	Al Tersana Alexandria Shipyards	under construction	X	X			X	

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61	French Navy	Frigate	Vendémiaire		Chantiers de l'Atlantique	1993	X	X			
62		Frigate	Germinal		Chantiers de l'Atlantique	1994	X		X		
63		LHD	Mistral	Mistral	Naval Group	2005	X	X	X		
64		LHD	Tonnerre	Mistral	Naval Group	2007	X	X	X		
65		Frigate	Forbin		Naval Group	2008	X		X		
66		Frigate	Chevalier Paul		Naval Group	2008	X		X		X
67		LHD	Dixmude	Mistral	Chantiers de l'Atlantique	2012	X	X	X	X	
68		Frigate	Aquitaine	Aquitaine	Naval Group	2012	X	X	X		X
69		Frigate	Provence	Aquitaine	Naval Group	2015	X	X	X		X
70		Frigate	Auvergne	Aquitaine	Naval Group	2016	X	X	X		X
71		OPV	D'Entrecasteaux	D'Entrecasteaux	Piriou	2016	X		X	X	
72		OPV	Bougainville	D'Entrecasteaux	Piriou	2016	X		X	X	
73		Frigate	Alsace	Aquitaine	Naval Group	2016	X	X	X		X
74		OPV	Champlain	D'Entrecasteaux	Piriou	2017	X		X	X	
75		Frigate	Languedoc	Aquitaine	Naval Group	2018	X	X	X		X
76		OPV	Dumont D'Urville	D'Entrecasteaux	Piriou	2019	X		X	X	
77		Frigate	Lorraine	Aquitaine	Naval Group	2019	X	X	X		X
78		Frigate	Normandie	Aquitaine	Naval Group	2020	X	X	X		X
79		Frigate	Bretagne	Aquitaine	Naval Group	under construction	X	X	X		X
80		Submarine		Barracuda class	DCNS	2006	X				
81		Frigate	TBD	Frégate de défense et d'intervention	Naval Group	under construction	X				
82		Frigate	TBD	Frégate de défense et d'intervention	Naval Group	under construction	X				
83		Frigate	TBD	Frégate de défense et d'intervention	Naval Group	under construction	X				
84		Frigate	TBD	Frégate de défense et d'intervention	Naval Group	under construction	X				
85		Frigate	TBD	Frégate de défense et d'intervention	Naval Group	under construction	X				
86	German Navy	Frigate	Lübeck	F122	Nordseewerke Emden, Bremer Vulkan	1990	X	X	X		X
87		Mine hunter		332	Abeking & Rasmussen	1990	X	X			
88		Mine hunter	Passau	333	Abeking & Rasmussen	1990	X	X			
89		Mine hunter	Pegnitz	352	Fr. Lürssen Werft GmbH & Co. GmbH	1990	X	X			
90		Mine hunter	Siegburg	352	Kröger Werft, Rendsburg	1990	X	X			
91		Mine hunter	Ensdorf	352	Fr. Lürssen Werft GmbH & Co. GmbH	1990	X	X			
92		Mine hunter	Herten	352	Kröger Werft, Rendsburg	1990	X	X			
93		Mine hunter	Auerbach	352	Fr. Lürssen Werft GmbH & Co. GmbH	1990	X	X			
94		Mine hunter	Kulmbach	332	Fr. Lürssen Werft GmbH & Co. KG	1992	X	X			
95		Combat task group support ship	Werra	404	Flensburger Schiffbau Gesellschaft	1993	X	X	X	X	X
96		Combat task group support ship	Elbe	404	Bremer Vulkan	1993	X	X	X	X	X
97		Combat task group support ship	Mosel	404	Bremer Vulkan	1993	X	X	X	X	X
98		Combat task group support ship	Rhein	404	Flensburger Schiffbau-Gesellschaft	1993	X	X	X	X	X

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99	German Navy	Mine hunter	Rottweil	332	Fr. Lürssen Werft GmbH & Co. KG	1993	X	X			
100		Mine hunter	Bad Bevensen	332	Kröger Werft, Rendsburg	1993	X	X			
101		Mine hunter	Frankenthal	332	Fr. Lürssen Werft GmbH & Co. KG	1993	X	X			
102		Frigate	Brandenburg	F123	BloHM + Voss Hamburg	1994	X	X			X
103		Combat task group support ship	Main	404	BloHM + Voss Hamburg	1994	X	X	X		X
104		Combat task group support ship	Donau	404	Lürssen, Krögerwerft	1994	X	X	X		X
105		Mine hunter	Grömitz	332	Abeking & Rasmussen	1994	X	X			
106		Mine hunter	Datteln	332	Kröger Werft, Rendsburg	1994	X	X			
107		Mine hunter	Weiden	332	Fr. Lürssen Werft GmbH & Co. KG	1994	X	x			
108		Frigate	Schleswig-Holstein	F123	Howaldtswerke- Dt. Werft Kiel	1995	X	X			X
109		Mine hunter	Dillingen Homburg	332	Rasmussen	1995	X	X			
110		Mine hunter	Bad Rappenau	332	Kröger Werft, Rendsburg	1995	X	X			
111		Frigate	Bayern	F123	Thyssen Nordseewerke Emden	1996	X	X			X
112		Frigate	Mecklenburg-Vorpommern	F123	Bremer Vulkan Thyssen Nordseewerke	1996	X	X			X
113		Mine hunter	Sulzbach Rosenberg	332	Fr. Lürssen Werft GmbH & Co. KG Abeking &	1996	X	X			
114		Mine hunter	Fulda	332	Abeking & Rasmussen	1998	X	X			
115		Mine hunter	Weilhem	332	Fr. Lürssen Werft GmbH & Co. KG	1998	X	X			
116		Combat task group support ship	Berlin	702	Fleinsburger Schiffbau Gesellschaft	2001	X	X	X	X	X
117		Combat task group support ship	Frankfurt am Main	702	Fleinsburger Schiffbau Gesellschaft	2002	X	X	X	X	X
118		Frigate	Hessen	F 124	Thyssen Nordseewerke Emden	2004	X	X			X
119		Frigate	Sachsen	F 124	Blohm + Voss	2004	X	X			X
120		Frigate	Hamburg	F 124	Howaldtswerke -Dt Werft Kiel	2004	X	X			X
121		Research ship	Planet	751	Thyssen Nordseewerke Emden	2004	X		X	X	X
122		Corvette	Magdeburg	K130	Fr. Lürssen Werft GmbH & Co. KG	2005	X	X	X	X	X
123		Corvette	Braunschweig	K130	Blohm + Voss	2007	X	X	X	X	X
124		Corvette	Erfurt	K130	Thyssen Nordseewerke Emden	2008	X	X	X	X	X
125		Corvette	Oldenburg	K130	Blohm + Voss	2008	X	X	X	X	X
126		Corvette	Ludwigshafen am Rhein	K130	Fr. Lürssen Werft GmbH & Co. KG	2008	X	X	X	X	X
127	Combat task group support ship	Bonn	702	TKMS, Lürssen Peenewerft, FSG	2012					X	
128	Multipurpose vessel	Schwedeneck	748	Kröger Werft Rendsburg	1987 REFIT 2011	X		X		X	

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129	German Navy	Mine hunter	Weiden	332	UAE UAE	2011 (Conversion)			X		
130		Mine hunter	Frankenthal	332	UAE UAE	2012 (Conversion)			X		
131		Corvette	K130	Corvette	TKMS Bremen	under construction	X		X		
132		Frigate	Baden Württemberg	F125	TKMS	under construction					X
133		Frigate	Nordrein Westfalen	F125	FLW	under construction					X
134		Frigate	Saschen Anhalt	F125	TKMS	under construction					X
135		Frigate	Rheinland Pfalz	F125	FLW	under construction					X
136		Corvette	TBD	K130	Lürssen	under construction	X	X	X	X	X
137		Corvette	TBD	K130	Lürssen	under construction	X	X	X	X	X
138		Corvette	TBD	K130	Lürssen	under construction	X	X	X	X	X
139		Corvette	TBD	K130	Lürssen	under construction	X	X	X	X	X
140		Corvette	TBD	K130	Lürssen	under construction	X	X	X	X	X
141		Submarine	U36	212A	Howaldtwerske-Deutsche Werft kiel	2011	X		X	X	X
142		Submarine	U35	212A	Howaldtwerske-Deutsche Werft kiel	2010	X		X	X	X
143		Submarine	U34	212A	Thyssen Nordseewerke Emden	2005	X		X	X	X
144		Submarine	U33	212A	Howaldtwerske-Deutsche Werft kiel	2004	X		X	X	X
145	Submarine	U32	212A	Thyssen Nordseewerke Emden	2003	X		X	X	X	
146	Submarine	U31	212A	Howaldtwerske-Deutsche Werft kiel	2002	X		X	X	X	
147	Greek Navy	Frigate	Hydra	Meko 200HN	BloHM + Voss Hamburg	1992	X	X	X	X	X
148		Frigate	Spetsai	Meko 200HN	Hellenic Shipyard Skaramanga	1996	X	X	X	X	X
149		Frigate	Psara	Meko 200HN	Hellenic Shipyard Skaramanga	1998	X	X	X	W	X
150		Frigate	Salamis	Meko 200HN	Hellenic Shipyard Skaramanga	1998	X	X	X	X	X
151		Submarine	Katsonis	214	Hellenic Shipyard Skaramanga	2007	X		X	X	X
152		Submarine	Pipinos	214	Hellenic Shipyard Skaramanga	2006	X		X	X	X
153		Submarine	Matrozos	214	Hellenic Shipyard Skaramanga	2005	X		X	X	X
154		Submarine	Papanikolis	214	Howaldtwerske-Deutsche Werft kiel	2004	X		X	X	X
155		Submarine	Pontos	mod.209 - 1200 Neptun II Poseidon class	HDW / kockums	2004	X	X	X	X	
156		Submarine	Okeanos	mod.209 - 1200 Neptun II Poseidon class	HDW / Kockums	2003	X	X	X	X	
157		Submarine	Poseidon	mod.209 - 1200 Neptun II Poseidon class	HDW / Kockums	2002	X	X	X	X	
158		Submarine	Proteus	mod.209 - 1100 Neptun II Glavkos class	HDW	1995	X	X	X	X	
159		Submarine	Triton	mod.209 - 1100 Neptun II Glavkos class	HDW	1994					

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160	Indian Navy	Frigate	Beas	2+1 Brahmaputra Class	Garden Reach SY, Calcutta	2002					X
161		Frigate	Betwa	2+1 Brahmaputra Class	Garden Reach SY, Calcutta	2004					X
162		Destroyer	INS Kolkata	Kolkata Class	MDL	2014	X	X			
163		Destroyer	INS Kochi	Kolkata Class	MDL	2015	X	X			
164		Destroyer	INS Chennai	Kolkata Class	MDL	2016	X	X			
165		Destroyer	INS Visakhapatnam	Visakapatnam class	MDL	under construction	X	X			
166		Destroyer	INS Mormugao	Visakapatnam class	MDL	under construction	X	X			
167		Destroyer	INS Impha	Visakapatnam class	MDL	under construction	X	X			
168		Destroyer	INS Pordanbar	Visakapatnam class	MDL	under construction	X	X			
169		Frigate	TBD	P17A project	MDL	under construction	X		X		
170		Frigate	TBD	P17A project	MDL	under construction	X		X		
171		Frigate	TBD	P17A project	MDL	under construction	X		X		
172		Frigate	TBD	P17A project	MDL	under construction	X		X		
173		Frigate	TBD	P17A project	GRSE	under construction	X	X			
174		Frigate	TBD	P17A project	GRSE	under construction	X	X			
175	Frigate	TBD	P17A project	GRSE	under construction	X	X				
176	Indonesian Navy	Submarine	H.7713	209	DSME	under construction	X			X	
177		Submarine	H.7714	209	DSME	under construction	X			X	
178		Submarine	H.7712	209	DSME	2016	X			X	
179	Israeli Navy	Submarine		800 mod.	Howaldtswerke-Deutsche Werft kiel	2015	X		X		
180		Submarine	Rahav	800 mod.	Howaldtswerke-Deutsche Werft kiel	2011	X		X		
181		Submarine	Tanin	800 mod.	Howaldtswerke-Deutsche Werft kiel	2010	X		X		
182		Submarine	Tekuma	800	Howaldtswerke / Thyssen nord-seewerke	2000	X				
183		Submarine	Dolphin	800	Howaldtswerke / Thyssen nord-seewerke	1999	X				
184		Submarine	Leviathan	800	Howaldtswerke / Thyssen nord-seewerke	1999	X				
185	Italian Navy	Submarine	Romeo Romei	212A	Fincantieri	2013	X			X	X
186		Submarine	Pietro Venuti	212A	Fincantieri	2012	X			X	X
187		Submarine	Sciré	212A	Fincantieri	2006	X			X	X
188		Submarine	Salvatore Todaro	212A	Fincantieri	2005	X			X	X

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189	Malaisian Navy	Corvette	Pahang	Meko A100	Blohm+Voss, Penang	2003	X	X	X	X	X
190		Corvette	Kedah	Meko A100	Blohm+Voss, Penang, Shipbuilding	2004	X	X	X	X	X
191		Corvette	Perak	Meko A100	Blohm+Voss, Penang, Shipbuilding	2005	X	X	X	X	X
192		Corvette	Terengganu	Meko A100	Blohm+Voss, Penang	2006	X	X	X	X	X
193		Corvette	Kelantan	Meko A100	Blohm+Voss, Penang	2007	X	X	X	X	X
194		Corvette	Selangor	Meko A100	Blohm+Voss, Penang	2008	X	X	X	X	X
195		Corvette	KD Kasturi	Slep	Boustead Naval Shipyard	2014	X		X		
196		Corvette	KD Lekir	Slep	Boustead Naval Shipyard	2014	X		X		
197		Corvette	Maharaja Lela	Gowind 2500	Boustead Naval Shipyard	2017	X	X	X		
198		Corvette	Shariff Mashor	Gowind 2500	Boustead Naval Shipyard	under construction	X	X	X		
199		Corvette	RAJA MAHADI	Gowind 2500	Boustead Naval Shipyard	under construction	X	X	X		
200		Corvette	Raja Mahadi	Gowind 2500	Boustead Naval Shipyard	under construction	X	X	X		
201	Corvette	Tok Janggut	Gowind 2500	Boustead Naval Shipyard	under construction	X	X	X			
202	Corvette	Mat Kilau	Gowind 2500	Boustead Naval Shipyard	under construction	X	X	X			
203	New Zealand Navy	Frigate	Te Kaha	Meko 200	Transfield Williamstown	1997	X		X	X	
204		Frigate	Te Mana	Meko 200	tenix Defence System Williamstown	1999	X		X	X	
205		Patrol forces		Offshore	tenix Defence System Williamstown	2007	X	X	X		
206		Patrol forces		Offshore	tenix Defence System Williamstown	2007	X	X	X		
207		Patrol forces		Inshore	Tenix Defence System Whangerai	2007	X	X	X		
208		Patrol forces		Inshore	Tenix Defence System Whangerai	2007	X	X	X		
209		Patrol forces		Inshore	Tenix Defence System Whangerai	2007	X	X	X		
210		Patrol forces		Inshore	Tenix Defence System Whangerai	2008	X	X	X		
211	Norwegian Navy	Mine hunter	Oksoy	M340	Kvaerner Mandal	1994	X	X	X		X
212		Mine hunter	Karmoy	M341	Kvaerner Mandal	1995	X	X	X		X
213		Mine hunter	Maloy	M342	Kvaerner Mandal	1996	X	X	X		X
214		Mine hunter	Alta	M350	Kvaerner Mandal	1996	X	X	X		X
215		Mine hunter	Hinnoy	M343	Kvaerner Mandal	1997	X	X	X		X
216		Mine hunter	Otra	M351	Kvaerner Mandal	1997	X	X	X		X
217		Mine hunter	Rauma	M352	Kvaerner Mandal	1998	X	X	X		X
218		Mine hunter	Orkla	M353	Kvaerner Mandal	1999	X	X	X		X
219		Mine hunter	Glomma	M354	Kvaerner Mandal	2000	X	X	X		X

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220		Submarine	Ula	Ula class modification	TNSW	2008	X		X	X	
221		Submarine	Utvaer	Ula class modification	TNSW	2007	X		X	X	
222		Submarine	Uredd	Ula class modification	TNSW	2007	X		X	X	
223		Submarine	Uthaug	Ula class modification	TNSW	2007	X		X	X	
224	Oman Navy	Patrol Vessel	Al Shinas	Al Ofouq	STM	2015	X	X	X	X	
225		Patrol Vessel	Al Seeb	Al Ofouq	STM	2015	X	X	X	X	
226		Patrol Vessel	Sadh	Al Ofouq	STM	2015	X	X	X	X	
227		Patrol Vessel	Khassab	Al Ofouq	STM	2016	X	X	X	X	
228	Polish Navy	Mine hunter		Kormoran II	Remontowa	2015	X				
229	Portuguese Navy	Frigate	Vasco da Gama	Meko 200	Blohm + Voss	1991	X	X	X		X
230		Frigate	Alvares Cabral	Meko 200	Howaldtswerke- Deutsche Werft Kiel	1991	X	X	X		X
231		Frigate	Corte Real	Meko 200	Howaldtswerke- Deutsche Werft Kiel	1991	X	X	X		X
232		Submarine	Arpao	U209 (U214)	Thyssen Nordseewerke Emden	2008	X		X	X	X
233		Submarine	Tridente	U209 (U214)	Thyssen Nordseewerke Emden	2007	X		X	X	X
234	Singapore Navy	Frigate	RSS Formidable		Naval Group	2006	X		X		
235		Submarine		214		under construction					X
236		Submarine		214		under construction					X
237	South African Navy	Frigate	Amabella	Meko A200	Blohm + Voss Hamburg	2002	X	X	X		X
238		Frigate	Isandlwana	Meko A200	Howaldtswerke- Deutsche Werft Kiel	2002	X	X	X		X
239		Frigate	Spionenkop	Meko A200	Blohm + Voss Hamburg	2003	X	X	X		X
240		Frigate	Mendi	Meko A200	Howaldtswerke- Deutsche Werft Kiel	2004	X	X	X		X
241		Submarine	Queen Modjadji	209/1400 mod.	Thyssen Nordseewerke Emden	2008	X		X	X	X
242		Submarine	Charlotte Maxekke	209/1400 mod.	Thyssen Nordseewerke Emden	2007	X		X	X	X
243		Submarine	Manthatisi	209/1400 mod.	Howaldtswerke-Deutsche Werft Kiel	2005	X		X	X	X

No.	Ship owner	Ship type	Ship name	Ship Class	Shipyard	Year	HVAC system	CBRN protection	Chilled Water Plant	Provision Cooling Plant	Fire fighting	
244	South Korean Navy	Submarine	H.7716	KSS II	DSME	under construction					X	
245		Submarine	H.7717	KSS II	DSME	under construction					X	
246		Submarine	Ryu Gwansun	214	DSME / HHI	2015	X		X	X	X	
247		Submarine		214	DSME / HHI	2014	X		X	X	X	
248		Submarine	Yu Gwan sun	214	DSME / HHI	2013	X		X	X	X	
249		Submarine		214	Dsme/ HHI	2013	X		X	X	X	
250		Submarine	Yun Bong gil	214	HHI Ulsan	2012	X		X	X	X	
251		Submarine	Kim Jwa jin	214	DSME/HHI	2011	X		X	X	X	
252		Submarine	An Jung geun	214	HHI Ulsan	2009	X		X	X	X	
253		Submarine	Jung ji	214	HHI Ulsan	2008	X		X	X	X	
254		Submarine	Son Won il	214	HHI Ulsan	2007	X		X	X	X	
255		Submarine	Lee Eokgi	209/1200	DSME Okpo	2001	X		X	X	X	
256		Submarine	Lee Sunsin	209/1200	DSME Okpo	2000	X		X	X	X	
257		Submarine	Na Daeyong	209/1200	DSME Okpo	2000	X		X	X	X	
258		Submarine	Jeong Un	209/1200	DSME Okpo	1998	X		X	X	X	
259		Submarine	Choi Muson	209/1200	DSME Okpo	1996	X		X	X	X	
260		Submarine	Park Wi	209/1200	DSME Okpo	1996	X		X	X	X	
261		Submarine	Lee Jong mu	209/1200	DSME Okpo	1996	X		X	X	X	
262		Spanish Navy	Patrol forces	Meteoro	Meteoro Class	Navantia	2011					X
263			Patrol forces	Rayo	Meteoro Class	Navantia	2011					X
264			Patrol forces	Relampago	Meteoro Class	Navantia	2012					X
265	Patrol forces		Tornado	Meteoro Class	Navantia	2012					X	
266	Patrol forces		Audaz	Meteoro Class	Navantia	under construction					X	
267	Patrol forces		Furor	Meteoro Class	Navantia	under construction					X	
268	Swedish Navy	Corvette	Visby	1+4 Visby class	Karlskronavarvet	2000	X	X	X			
269		Corvette	Helsingborg	1+4 Visby class	Karlskronavarvet	2003	X	X	X			
270		Corvette	Härnösand	1+4 Visby class	Karlskronavarvet	2004	X	X	X			
271		Corvette	Nyköping	1+4 Visby class	Karlskronavarvet	2004	X	X	X			
272		Corvette	Karlstad	1+4 Visby class	Karlskronavarvet	2005	X	X	X			

No.	Ship owner	Ship type	Ship name	Ship Class	Shipyard	Year	HVAC system	CBRN protection	Chilled Water Plant	Provision Cooling Plant	Fire fighting
273	Turkish Navy	Patrol forces	Yildiz	2 Yildiz class	Taskizak Navy Yard Istanbul	1994					X
274		Frigate	Barbaros	Meko 200	Blohm + Voss Hamburg	1995	X	X	X		X
275		Patrol forces	Karayel	2 Yildiz class	Taskizak Navy Yard Istanbul	1995					X
276		Frigate	Orucreis	Meko 200	Golduck Kocaeli	1996	X	X	X		X
277		Frigate		Meko 200	Pendik Naval	1998	X	X	X		X
278		Patrol forces	Kilic	4+5 Kilic class	Fr. Lürssen Werft GmbH & Co.KG	1998	X	X	X		X
279		Patrol forces	Salihreis	4+5 Kilic class		1999	X	X	X		X
280		Frigate	Mizrak	Meko 200	Pendik Naval	2000	X	X	X		X
281		Patrol forces	Kalkan	4+5 Kilic class	Shipyards Istanbul	2000	X	X	X		X
282		Patrol forces	Kemalreis	4+5 Kilic class		2004	X	X	X		X
283		Mine hunter	Alanya	MHV 54-014	Pendik Naval Shipyards Istanbul	2004	X	X	X		
284		Patrol forces	Imbat	4+5 Kilic class	Pendik Naval Shipyards Istanbul	2005	X	X	X		X
285		Patrol forces	Tufan	4+5 Kilic class	Shipyards Istanbul	2005	X	X	X		X
286		Mine hunter	Amasra	MHV 54-015	Pendik Naval Shipyards Istanbul	2005	X	X	X		
287		Mine hunter	Ayvalik	MHV 54-016	Pendik Naval Shipyards Istanbul	2005	X	X	X		
288		Patrol forces	Meltem	4+5 Kilic class	Pendik Naval Shipyards Istanbul	2006	X	X	X		X
289		Mine hunter	Akcakoca	MHV 54-017	Pendik Naval Shipyards Istanbul	2006	X	X	X		
290		Mine hunter	Anamur	MHV 54-018	Pendik Naval Shipyards Istanbul	2006	X	X	X		
291		Patrol forces	Atak borak		Naval Shipyards Istanbul	2007	X	X	X		
292		Patrol forces	Zipkin	4+5 Kilic class	Pendik Shipyards Istanbul	2007	X	X	X		X
293		Mine hunter	Akcay	MHV 54-019	Pendik Naval Shipyards Istanbul	2007	X	X	X		
294		Landing Ship Tank			Adik Pendik	2015		X			X
295		Landing Ship Tank			Adik Pendik	2016		X			
296		Frigate		Milgem I	Marinewerft Istanbul	under construction					X
297		Frigate		Milgem II	Marinewerft Istanbul	under construction					X
298		Frigate		Milgem III	Marinewerft Istanbul	under construction					X
299		Frigate		Milgem IV	Marinewerft Istanbul	under construction					X
300		Submarine		214 mod.	TKMS / Gölcük Naval Shipyards	under construction	X		X	X	X
301		Submarine		214 mod.	TKMS / Gölcük Naval Shipyards	under construction	X		X	X	X
302		Submarine		214 mod.	TKMS / Gölcük Naval Shipyards	under construction	X		X	X	X
303		Submarine		214 mod.	TKMS / Gölcük Naval Shipyards	under construction	X		X	X	X
304		Submarine		214 mod.	TKMS / Gölcük Naval Shipyards	under construction	X		X	X	X
305		Submarine		214 mod.	TKMS / Gölcük Naval Shipyards	under construction	X		X	X	X
306		Submarine	Inönü Reis	209/1400	Gölcük	2007	X	X	X	X	X
307		Submarine	Canakkale	209/1400	Gölcük	2006	X	X	X	X	X
308		Submarine		209/1400	Gölcük	2005	X	X	X	X	X
309		Submarine	Gür	209/1400	Gölcük	2003	X	X	X	X	X
310		Submarine	Anafartalar	209/1400	Gölcük	1998	X		X	X	X
311		Submarine	Mart	209/1400	Gölcük	1995	X		X	X	X

No.	Ship owner	Ship type	Ship name	Ship Class	Shipyard	Year	HVAC system	CBRN protection	Chilled Water Plant	Provision Cooling Plant	Fire fighting
312	US Navy	Combat Ship	Independence	Independence	Austal	2010					X
313		Combat Ship	Coronado	Independence	Austal	2014					X
314		Combat Ship	Oakland	Independence	Austal	under construction					X
315		Combat Ship	Jackson	Independence	Austal	under construction					X
316		Combat Ship	Kansa City	Independence	Austal	under construction					X
317		Combat Ship	Montgomery	Independence	Austal	under construction					X
318		Combat Ship	Gabrielle Giffords	Independence	Austal	under construction					X
319		Combat Ship	Omaha	Independence	Austal	under construction					X
320		Combat Ship	Manchester	Independence	Austal	under construction					X
321		Combat Ship	Tulsa	Independence	Austal	under construction					X
322		Combat Ship	Charleston	Independence	Austal	under construction					X
323		Combat Ship	Cincinnati	Independence	Austal	under construction					X
324	Vietnamese Navy	Frigate	3 shipset	Gepard class	PHC	2010			X		
325		Frigate	2 shipset	Gepard class	PHC	under construction			X		