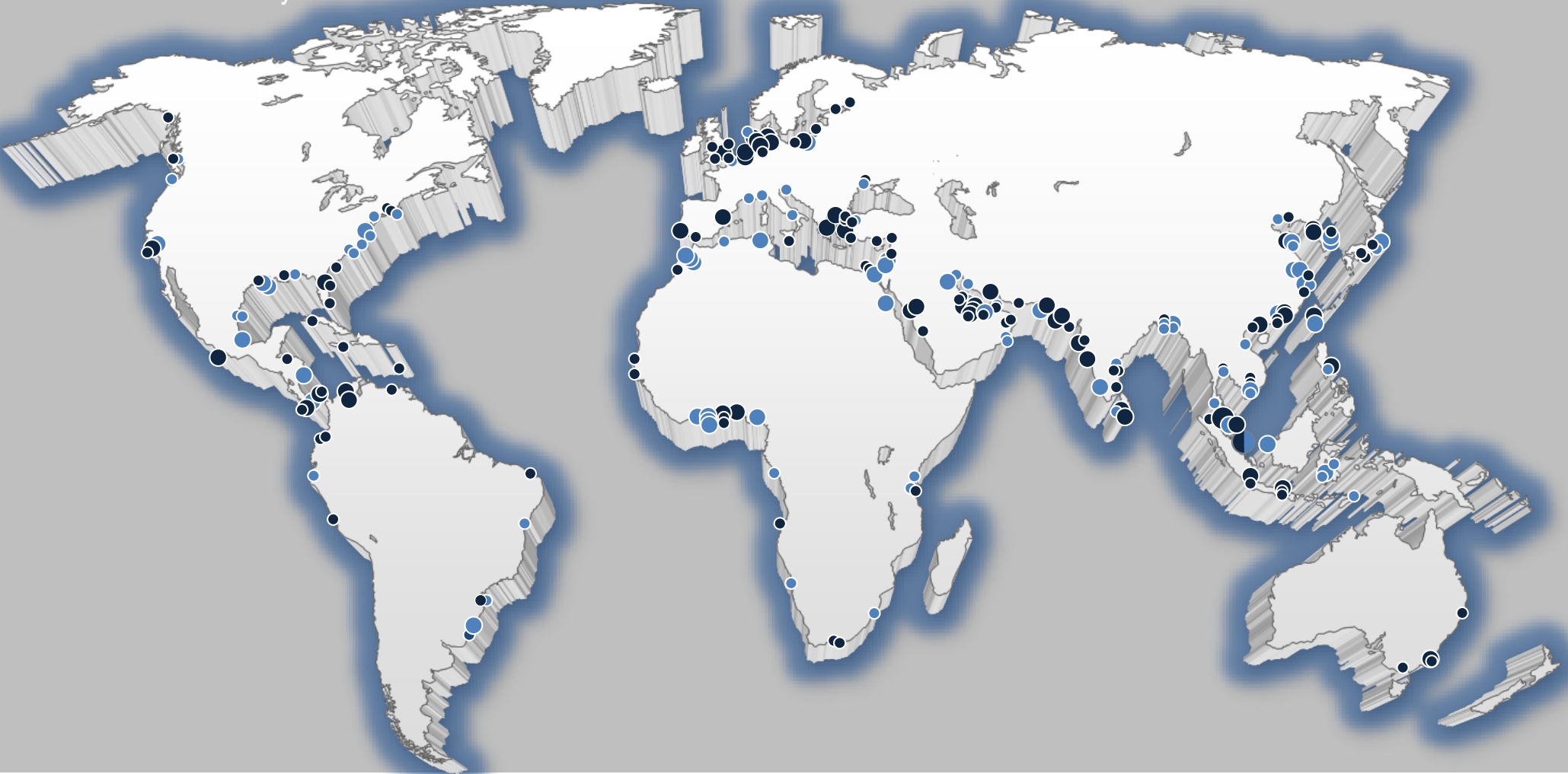


CONTAINER TERMINAL PROJECTS 2021

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ABOUT THE MARKET REPORT

The 7th edition of the market report focuses on container terminal projects scheduled for completion in 2021 and beyond. The main contribution of the report is a project list of future container terminal expansions and its analysis.

Project Pipeline

The report provides a full list of announced projects, which target to supply additional container handling capacity (in Excel). Included are maritime container terminals and multi-purpose terminals. Main project details are provided for each project, such as current project status, scheduled year of completion, new capacity (in TEU), prospect of success, operator.

Analysis

It is not unusual that project plans get adjusted to market demand, i.e. projects get delayed or cancelled. Therefore, **the report provides a reasonable projection of finally executed capacity expansions until 2025.**

The market report is comprehensive and meant to be scanned quickly. It includes over 120 pages, provided as a PDF, plus the project list in Excel. The price of the report is € 1'750.- for single-user and 2'100.-€ for multi-user.

For further information please refer to www.dsresearch.de,
or contact Daniel Schaefer, Phone: +49 (0) 171 6974549, dschaefer@dsresearch.de

PROJECT PIPELINE

Overall 521 container terminal projects scheduled for completion from 2021 onwards were identified. All projects combined target to deliver 686 million TEU (TEUm) additional container handling capacity, of which 232 million TEU are scheduled until year end 2025.

The project list is provided as an Excel table; the following project details are included:

Prospect of success, Location (Country, Port, Terminal/ Project Name), Developer, Operator, Capacity (in TEU), Quay Line (in m), Berth Depth (in m), Investment type (greenfield, reconstruction, expansion, upgrade), Investment (in US\$), Status (under construction, announced, masterplan), Year of Completion, Comments, Sources – some details are estimated or partly provided.

Project Pipeline:

SEQ No.	(Name) Country	(Name) Port	(Name) Prospect	(Name) Project / Terminal	(Company Name) Developer	(Company Name) Operator	(TEUm) Capacity	(In m) e Quay	(max in m) Berth Depth	Invest. Type	(US\$m) Invest.	Status	(Year) Completion	e 2	MPT	Automation
84	Costa Rica	Port Limon		Mega Terminal of the Atlantic	Junta de Administración Portuaria	Americas Gateway Development Corp	2.00	1,200	19.0	Greenfield	1,000	Delay / Cancel	2022			
83	Costa Rica	Port Limon		Moin CT - Phase 2B		APM Terminals	1.00 e		16.0	Greenfield	250	Masterplan	2025+ e			
897	Costa Rica	Port Limon		Moin CT - Phase 3	Junta de Administración Portuaria	APM Terminals	0.50 e	600	16.0	Greenfield		Masterplan	2025+ e			
1087	Croatia	Rijeka		Adriatic Gate			0.00		14.8	Upgrade	20	Construction	2021			
431	Croatia	Rijeka		Zagreb Pier			0.40	400	20.0	Greenfield	200	Construction	2022 e			
432	Croatia	Rijeka		Zagreb Pier			0.25	280	20.0	Greenfield	182	Feasibility	2025+ e			
939	Croatia	Slavonski Brod (Riva)					0.05 e			Expansion	25	Construction	2021 e			
87	Cuba	Mariel		TC Mariel - Phase 2			2.20	1,700		Greenfield	300	Masterplan	2025+ e			
963	Cuba	Santiago de Cuba					0.05 e	230	13.6	Reconstr.	120	Completed	2019	X		
964a	Cyprus	Limassol		Limassol Container Terminal			0.30 e	500		Expansion		Completed	2019 June			
964b	Cyprus	Limassol		Limassol Container Terminal			0.30			Expansion	32	Announced	2022 e			
940	Denmark	Aalborg		Aalborg Container Terminal			0.10	500		Expansion		Announced	2022			
966	Denmark	Aarhus		Yderhavnen - Phase 1			0.95		14.0	Greenfield		Masterplan	2025+			
433	Denmark	Copenhagen		Ydre Nordhavnen			0.16	550	12.5	Greenfield	150	Construction	2023 e			X
1088	Denmark	Esbjerg		Port of Esbjerg			0.03 e	400		Greenfield		Completed	2019	X		
965	Denmark	Esbjerg		Port of Esbjerg			0.50 e	1,000		Expansion		Feasibility	2025 e	X		
941	Denmark	Kalundborg		New West Pier			0.05 e		15.0	Expansion		Completed	2019 May	X		
967	Denmark	Port of Tórshavn		East Harbour			0.25 e	600	20.0	Expansion	70	Construction	2022 e	X		
1089	Denmark	Skagen		Skagen Port			0.10 e		13.0	Greenfield	80	Construction	2021	X		
88	Dominican Republic	Caucedo		Phase III			0.85	400	17.0	Expansion	114	Completed	2020			
1046	Dominican Republic	Puerto Plata		Puerto Plata			0.05	275	9.1	Reconstr.	10	Construction	2022 e	X		
226	East Timor	Tibar Bay (near Dili)		Port of Tibar			0.75	630	15.0	Greenfield		Construction	2021			
837	Ecuador	Bolívar		Yilport Puerto Bolívar			0.60	315	16.5	Expansion	210	Masterplan	2025+			
898	Ecuador	Bolívar		Yilport Puerto Bolívar			0.50		16.5	Expansion	150	Masterplan	2025+			
836	Ecuador	Bolívar		Yilport Puerto Bolívar - Phase 2	Autoridad Portuaria de Puerto Bolívar	International Maritime Terminal - Yilport	0.50		16.5	Expansion	80	Masterplan	2025+			
91	Ecuador	Guayaquil		Posorja Deepwater Port	Autoridad Portuaria de Guayaquil	DP World	0.75	480	16.5	Greenfield	538	Completed	2019 Oct			
				TOTAL (2021-'25)			232									

Project delays are common. Therefore, prospects for project completion are rated per project and per country/region, taking into account historical and projected container terminal throughput, as well as past capacity additions.

The analysis part of the report includes:

- review and forecast of container throughput and container handling capacity until 2025
- sum-up of the project pipeline
- announced projects vs. project execution
- supply/demand assessment per region

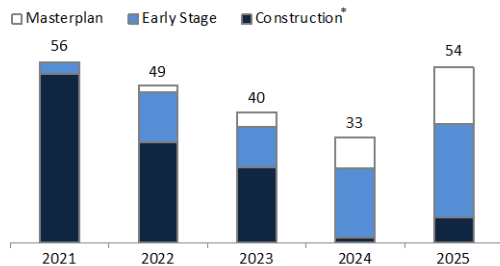
PROJECT PIPELINE BY PROJECT STATUS (2/2)

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About 50% of all projects scheduled for completion until year 2025 are understood to be under construction, 35% are in early stage (i.e. project timeline announced, feasibility/EIS phase or RFP/design phase), and 15% are in a phase in which the general project plan is written down in a masterplan.

Project Pipeline 2021 - '25

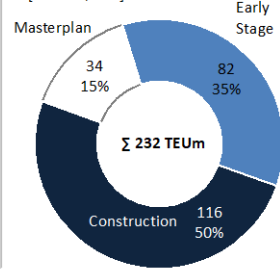
[in TEUm, Σ 232 TEUm]



* Including completed projects in 2021.

Total 2021 - '25

[in TEUm / in %]



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EUROPE: CAPACITY PROJECTION UNTIL 2025

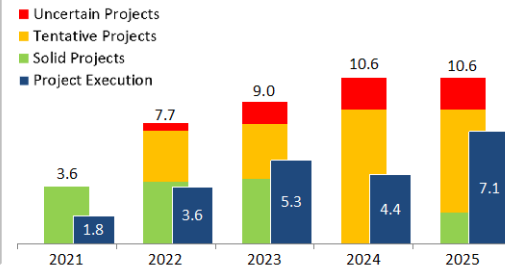
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It is projected that compared to a project pipeline of 41.4 TEUm new capacity scheduled for completion until 2025 finally 22.3 TEU will be built.

Roughly 2/3 of the current project pipeline includes tentative or uncertain projects, which are expected to mostly get delayed or cancelled.

Capacity Additions 2021 - '25

[in TEUm]



Solid: completion likely (max. 1-2 yrs. delay); Tentative: completion questionable; scope & timing likely subject of further adjustments; Uncertain: completion not likely / significant delay or cancellation; Project Execution: forecast of final execution

	Pipeline (TEUm)	Execution (TEUm)	Delta (TEUm)
North E.	11.1	9.1	-2.0
South E.	21.7	10.0	-11.7
East E.	6.0	2.7	-3.3
CIS	2.6	0.5	-2.1
Europe	41.4	22.3	

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