Complexes and automated control systems for civil ships and oil-and-gas production industry (for period from 1959 to 2010)

Saint-Petersburg
2010

№	Name of automated control system (complex)	Project, name of vessel	Customer who ordered vessel/ complex (system)	Quantity of supplied complexes (systems)	Year of supply of complex (system)
1	**Control system of:** – steam plant; – steam-turbine plant; – electric power plant; – main propulsion plant	Projects 92, 92M Nuclear icebreaker "Lenin"	Ministry of Marine Fleet Murmansk Shipping Company	2	1959 1970
2	**Complex control system of technical facilities (CCS TF) "Liman" consisting of:** – control system of main engine; – control system of auxiliary mechanisms and units; – control system of electric power plant; – control system of general ship systems; – centralized control system.	Project 1563 Dry cargo carrier "Svetlogorsk"	Ministry of Marine Fleet Kherson Shipbuilding Production Association	10	1969-1975
3	**CCS TF "Proliv"** **MPP CS "Shtorm"**	Project 1551 Tanker "Krym"	Ministry of Marine Fleet Murmansk Shipping Company “Zaliv” Shipyard, Kerch	6	1974
4	**CCS TF "Zaliv" consisting of:** – control system of auxiliary mechanisms and units; – control system of electric power plant; – control system of general ship systems; – control system of centralized control.	Fish-processing base "Vostok"	Ministry of Marine Fleet Dalryba	1	1971
		Project 1584 Bulker "Zoya Kosmodemianskaya"	Ministry of Marine Fleet "Okean" Shipyard, Nikolaev	8 (including 2 export ships)	1972
		Versatile dry cargo carrier "Geroi Panfilovtsy"	Ministry of Marine Fleet Kherson Shipbuilding Production Association	46 (including 31 for export)	1972

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	CCS TF "Zaliv" consisting of: – control system of auxiliary mechanisms and units; – control system of electric power plant; – control system of general ship systems; – control system of centralized control.	Versatile dry cargo carrier "Alexander Fadeyev"	Ministry of Marine Fleet Kherson Shipbuilding Production Association	5	1972
		Versatile dry cargo carrier "Nikolay Zhukov"	Ministry of Marine Fleet Vyborg Shipyard, Vyborg	14 (including 2 export vessels)	1972
		Lumber and palletized cargo carrier "Pioner Moskvy"	Ministry of Marine Fleet Vyborg Shipyard, Vyborg	27 (including 3 export ship)	1973
		Project 1592 Bulker "Kapitan Panfilov"	Ministry of Marine Fleet Kherson Shipbuilding Production Association	7	1974
		Ro-Ro "Ivan Skuridin"	Ministry of Marine Fleet "Northern Shipyard", Saint-Petersburg	21 (including 2 for export vessels)	1976
		Project 1593 Oil-and-ore Oil-and-ore carrier "Boris Butoma"	Ministry of Marine Flee "Okean" Shipyard, Nikolaev	3	1977
		Project 1347 Refrigerator "50 Let SSSR"	Ministry of Fisheries "61 Kommunar" Shipyard, Nikolaev	18	1978

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	CCS TF "Zaliv"	Project 1846 Research vessel "Akademik Krylov"	Academy of Science of the USSR "Okean" Shipyard, Nikolaev	1	1978-1980
5	**CCS TF "Sever" consisting of:** – control system of main propulsion plant; – control system of reactor protection; – control system of electric power plant; – control system of general ship systems; – system of centralized control and information representation.	Project 1052 Icebreaker "Arktika"	Ministry of Marine Fleet Murmansk Shipping Company, "Baltiyskiy Zavod", Saint-Petersburg	5	1975-77
6	**CS "Taimyr"**	Salvage ship "Elbrus"	Ministry of Marine Fleet "61 Kommunar" Shipyard, Nikolaev	1	1977
7	**CCS "Tropik" consisting of:** – control system of main propulsion plant; – control system of auxiliary mechanisms and units; – control system of electric power plant; – control system of general ship systems; – system of centralized control.	Ro-Ro "Kapitan Smirnov"	Ministry of Marine Fleet “Chernomorsky Shipbuilding Plant” JSC, Nikolaev	4	1979

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8	**CCS TF "Zaliv-M"**	Project 1607 Ro-Ro "Gavriil Kurdintsev"	Ministry of Marine Fleet Far East Shipping Company	3	1978-1881
	CCS TF "Zaliv-M"	Tanker "Pobeda"	Ministry of Marine Fleet "Zaliv" Shipyard, Kerch	13 (including 6 for export ships)	1981
		Project 1551 Tanker "Krym"	Ministry of Marine Fleet Novorossijsk Shipping Company	6	1982
		Dry cargo carrier "Khariton Greku"	Ministry of Marine Fleet "Okean" Shipyard, Nikolaev	19 (including 5 for export ships)	1982
		Project 1592 Bulker "Kapitan Panfilov"	Ministry of Marine Fleet Severnoe Shipping Company	6	1978-1982
		Project 1948 Special vessel "Imandra"	Ministry of Marine Fleet Murmansk Shipping Company	1	1980
		Project 12990 Tanker "Pobeda"	Ministry of Marine Fleet Novorossiysk Shipping Company	17	1981-1990
		Tanker "Dmitriy Medvedev"	Ministry of Marine Fleet Kherson Shipbuilding Production Association	5 (including 1 for export ships)	1983
		Lighter-aboard ship "Aleksey Kosygin"	Ministry of Marine Fleet Kherson Shipbuilding Production Association	4	1984
		Tanker "Grigoriy Nesterenko"	Ministry of Marine Fleet Kherson Shipbuilding Production Association	15 (including 10 for export ships)	1985

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	CCS TF "Zaliv-M"	Refrigerator "Bukhta Russkaya"	Ministry of Fisheries "61 Kommunar" Shipyard, Nikolaev	14 (including 1 for export ship)	1985
		Dry cargo carrier "Vitus Bering"	Ministry of Marine Fleet Kherson Shipbuilding Production Association	5	1986
		Ro-Ro “Sergey Kirov”	Ministry of Marine Fleet “Northern Shipyard”, Saint-Petersburg	1	1989
		Dry cargo carrier “Ivan Papanin”	Ministry of Marine Fleet Kherson Shipbuilding Production Association	2	1990
		Drilling ship “Arktikshelf”	Ministry of Marine Fleet Kherson Shipbuilding Production Association	1	1991
		Drilling platform МСП-16712	Ministry of Marine Fleet Astrakhan Shipbuilding Production Association	1	1991
9	**CCS TF “Sever-81”**	Project 10081 Nuclear lighter-aboard ship “Sevmorput”	Ministry of Marine Fleet Murmansk Shipping Company “Zaliv”, Kerch	2	1985-1989
10	**Automatic and remote motion control system “Iantar-1”**	Salvage ship “Alagez”	Ministry of Marine Fleet "61 Kommunar" Shipyard, Nikolaev	1	1986

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11	**CCS TF "Sever-M"**	Project 10521 Nuclear icebreaker "Sovietskij Sojuz"	Ministry of Marine Fleet Murmansk Shipping Company	1	1989
12	**CCS TF "Sever-80"**	Project 10580 Nuclear icebreakers "Taimyr", "Vaigach"	Ministry of Marine Fleet Murmansk Shipping Company, Shipyard, Finland	2	1989-90
13	**Control system of technical facilities of dynamic stabilization "Selvinit-280"**	Project 16280 Drilling ship "Arktikshelf"	Ministry of Marine Fleet Kherson Shipbuilding Production Association	1	1991
14	**CS of technical facilities of dynamic stabilization "Magnetit-430"**	Diving and salvage "Gindukush"	Ministry of Marine Fleet "61 Kommunar" Shipyard, Nikolaev	1	1990
15	**Control system of trim, stability and insubmersibility**	Ro-Ro "Kronshtadt"	Ministry of Marine Fleet Baltic Shipping Company "Baltiyskiy Zavod", Saint-Petersburg	1	1992
16	**CCS TF "Sever-M", system of registration of emergency parameters**	Project 10521 Nuclear icebreaker "Yamal"	Ministry of Marine Fleet Baltic Shipping Company "Baltiyskiy Zavod", Saint-Petersburg	1	1992
17	**CCS TF "Selma" consisting of:** – control system of electric power plant; – control system of auxiliary mechanisms and units; – control system of general ship systems;	Timber ship "Ramon Aboitiz"	Philippines Kherson Shipbuilding Production Association	1 for export ship	1993

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	– centralized control system; – system of centralized uninterruptible power supply of automatics' facilities.	Project 15967 Tanker	Ministry of Marine Fleet Kherson Shipbuilding Production Association	3 for export ship	1994
18	**Control system of main engine "Grom-M"**	Timber ship "Ramon Aboitiz"	Phillipines Kherson Shipbuilding Production Association	1 for export ship	1993
		Project 15967 Tanker	Ministry of Marine Fleet Kherson Shipbuilding Production Association	3 для экспортных судов	1994
19	**CCS TF "Selma-MAS"**	Tanker "Astrakhan"	Ministry of Marine Fleet	1	1990
		Project 15750 Tanker	Ministry of Marine Fleet	1	1990
		Tanker "Auriga"	Ministry of Marine Fleet	1	1990
		Project 17340 Tanker	Ministry of Marine Fleet	1	1990
		Project 16095 Tanker	Ministry of Marine Fleet	1	1990

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		Tanker "Viktor Dubrovskij"	Ministry of Marine Fleet	1	1990
20	**LCS of fuel (oil) separation unit "Avrolog-C"**	Severo-Orekhovskoe oilfield-2	"Kaluga Turbine Works" JSC, Kaluga	1	1994
21	**CCS TF "Avrolog -17310" consisting of:** – control system of auxiliary mechanisms and units; – control system of general ship systems; – system of centralized uninterruptible power supply of automatics' facilities; – electric power plant monitoring system; – system of alarm and warning signaling; – integrated console in pilot house.	River-sea dry cargo carrier "Rossija"	"Krasnoe Sormovo" JSC, Nizhniy Novgorod	5	1995
		Dry cargo carrier "Sankt-Peterburg"	"Krasnoe Sormovo" JSC, Nizhniy Novgorod	3	2001-2002
22	**Set of automation facilities "Avrolog" consisting of:** – integrated console in pilot house; – integrated console in central control room; – harbor console.	Project 17380 Bulker	Estonian Shipping Company "Yantar" Shipyard, Kaliningrad	1	1995
23	**Set of automation facilities "Avrolog" consisting of:** – control console of main engine and mechanisms in pilot house; – integrated console in central control room.	Project 15760 Bulker	Austria "Northern Shipyard" JSC, Saint-Petersburg	2	1995

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24	**Set of automation facilities "Avrolog" consisting of:** – integrated console in central control room; – control system of general ship systems; – system of alarm and warning signaling; – system of insubmersibility monitoring.	Export vessels	Vietnam "Toseko" Company	2	1996-1997
25	**Automated control system of oil treating technological processes 1 (ACS of oil treating technological processes 2) consisting of:** – system of control, adjustment and monitoring of field oil treatment processes (separation, refinement, transportation and storage of well production for obtaining of stock-tank oil); – control and information representation system for water-supply, fire-fighting and ventilation systems.	Severo-Orekhovskoe oil field	"Megionneftegaz" JSC	1	1995
		Severo-Prokurskoe oilfield	"Savneftmegionneftegaz" JSC, Tumen	1	1997
26	**CCS "Avrolog TC 1542" consisting of**: – control system of auxiliary mechanisms and units; – control system of electric power plant; – control system of general ship systems; – explosion hazard monitoring system; – system for emergency tripping in case of fire.	Project 15402 Self-elevating drilling rig of "Gazprom" JSC	FSUE "Machine-Building Enterprise "Zvezdochka", Severodvinsk	1	1997-1998

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27	**CCS "Avrolog OPU 1542" consisting of:** – control and monitoring system of support and lifting equipment; – system for monitoring of trim parameters.	Project 15402 Self-elevating drilling rig of "Gazprom" JSC	FSUE "Machine-Building Enterprise "Zvezdochka", Severodvinsk	1	1997-1998
28	**CCS TF "FICS-3"**	Passenger vessel "Linda"	Private company	1	2000
29	**System of centralized monitoring and alarm/warning signaling. Main distribution board and electric distribution devices. Automated control system of electric power plant.**	Project 21110 Tug "Rurik"	"Vyborg Shipyard" JSC	2	2004-2005
30	**Automated control system of technical facilities**	Project 1710 Tug	"Amur Shipyard" JSC Komsomolsk-na-Amure	1	2005
31	**Main distribution board**	Project 2731.3 Oil barge	"Kostroma Shipbuilding & Ship-Repair Yard" JSC	2	2005
32	**Alarm and warning signaling system**	Project 70129 Fishing vessel "Uraganny"	ZAO "Far Eastern Shipbuilding Leasing Company", Vladivostok	1	2006
33	**Control system of ship oil/water filtering plant "Avrolog NVFU"**		ZAO "Kanon" Moscow	2	2006
34	**Local control system of compressor control**		"Zvezda" JSC Saint-Petersburg	3	2006
35	**Navigator console**	Project 1415 Diving vessel	FSUE "Srednenevsky Shipbuilding Plant" JSC	1	2006

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36	**Main distribution board**	Project 27310 Oil barge	"Kostroma Shipbuilding & Ship-Repair Yard" JSC "Delta" Shipping Company	1	2006
37	**Main distribution board**	Project 27311 Oil barge	"Kostroma Shipbuilding & Ship-Repair Yard" JSC "Delta" Shipping Company	2	2008
38	**Set of equipment for control and monitoring of main propulsion plant and general ship systems**	Project 21820	"Teploobmennik" JSC "Volga" JSC, Nizhniy Novgorod	1	2009
39	**CCS TF "Sever-M1»**	Project 10521 Nuclear icebreaker "50 Let Pobedy"	Department of Shipbuilding Industry	1	2008
40	**Automated control system of technological processes of floating power generation plant "Laguna"**	Project 20870 Floating power generation plant "Akademik M.V. Lomonosov"	Concern "Rosenergoatom" "Baltiyskiy Zavod" JSC	1	2012