



Concern Avrora Scientific & Production Association JSC

**Complexes and automated control systems
for civil ships and oil-and-gas production industry
(for period from 1959 to 2015)**

**Saint-Petersburg
2015**

№	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 systems of: <ul style="list-style-type: none"> – electric power plant; – reactor protection control system; – protection control regulation system; 	Project 92 Nuclear icebreaker "Lenin"	<u>Ministry of Marine Fleet</u> Murmansk Shipping Company	1	1959
2	Control system of: <ul style="list-style-type: none"> – steam plant; – steam-turbine plant; 	Project 92M Nuclear icebreaker "Lenin"	<u>Ministry of Marine Fleet</u> Murmansk Shipping Company	1	1970
3	Complex control system of technical facilities (CCS TF) "Liman" consisting of: <ul style="list-style-type: none"> – 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"	<u>Ministry of Marine Fleet</u> Kherson Shipbuilding Production Association	10	1969-1975
4	CCS TF "Proliv" MPP CS "Shtorm"	Project 1551 Tanker "Krym"	<u>Ministry of Marine Fleet</u> Murmansk Shipping Company "Zaliv" Shipyard, Kerch	6	1974
5	CCS TF "Zaliv" consisting of: <ul style="list-style-type: none"> – control system of auxiliary mechanisms and units; – control system of electric power plant; 	Fish-processing base "Vostok"	<u>Ministry of Marine Fleet</u> <u>Dalryba</u>	1	1971
		Project 1584 Bulk carrier "Zoya Kosmodemianskaya"	<u>Ministry of Marine Fleet</u> "Okean" Shipyard, Nikolaev	8 (including 2 export ships)	1972

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	<ul style="list-style-type: none"> – control system of general ship systems; – control system of centralized control. <p>CCS TF "Zaliv" consisting of:</p> <ul style="list-style-type: none"> – 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 "Geroi Panfilovtsy"	<u>Ministry of Marine Fleet</u> Kherson Shipbuilding Production Association	46 (including 31 for export)	1972
		Versatile dry cargo carrier "Alexander Fadeyev"	<u>Ministry of Marine Fleet</u> Kherson Shipbuilding Production Association	5	1972
		Versatile dry cargo carrier "Nikolay Zhukov"	<u>Ministry of Marine Fleet</u> Vyborg Shipyard, Vyborg	14 (including 2 export vessels)	1972
		Lumber and palletized cargo carrier "Pioner Moskvyy"	<u>Ministry of Marine Fleet</u> Vyborg Shipyard, Vyborg	27 (including 3 export ship)	1973
		Project 1592 Bulker "Kapitan Panfilov"	<u>Ministry of Marine Fleet</u> Kherson Shipbuilding Production Association	7	1974
		Ro-Ro "Ivan Skuridin"	<u>Ministry of Marine Fleet</u> "Northern Shipyard", Saint-Petersburg	21 (including 2 for export vessels)	1976
		Project 1593 Oil-and-ore Oil-and-ore carrier "Boris Butoma"	<u>Ministry of Marine Fleet</u> "Okean" Shipyard, Nikolaev	3	1977
		Project 1347 Refrigerator "50 Let SSSR"	<u>Ministry of Fisheries</u> "61 Kommunar" Shipyard, Nikolaev	18	1978

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	CCS TF "Zaliv"	Project 1846 Research vessel "Akademik Krylov"	<u>Academy of Science of the USSR</u> "Okean" Shipyard, Nikolaev	1	1978-1980
6	CCS TF "Sever" consisting of: <ul style="list-style-type: none"> – 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"	<u>Ministry of Marine Fleet</u> Murmansk Shipping Company, "Baltiyskiy Zavod", Saint-Petersburg	5	1975-77
7	CS "Taimyr"	Salvage ship "Elbrus"	<u>Ministry of Marine Fleet</u> "61 Kommunar" Shipyard, Nikolaev	1	1977

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8	CCS "Tropik" consisting of: <ul style="list-style-type: none"> – 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"	<u>Ministry of Marine Fleet</u> "Chernomorsky Shipbuilding Plant" JSC, Nikolaev	4	1979
9	CCS TF "Zaliv-M"	Project 1607 Ro-Ro "Gavriil Kurdintsev"	<u>Ministry of Marine Fleet</u> Far East Shipping Company	3	1978-1881
		Tanker "Pobeda"	<u>Ministry of Marine Fleet</u> "Zaliv" Shipyard, Kerch	13 (including 6 for export ships)	1981
		Project 1551 Tanker "Krym"	<u>Ministry of Marine Fleet</u> Novorossiysk Shipping Company	6	1982
		Dry cargo carrier "Khariton Greku"	<u>Ministry of Marine Fleet</u> "Okean" Shipyard, Nikolaev	19 (including 5 for export ships)	1982
		Project 1592 Bulker "Kapitan Panfilov"	<u>Ministry of Marine Fleet</u> Severnoe Shipping Company	6	1978-1982
		Project 1948 Special vessel "Imandra"	<u>Ministry of Marine Fleet</u> Murmansk Shipping Company	1	1980

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	CCS TF "Zaliv-M"	Project 12990 Tanker "Pobeda"	<u>Ministry of Marine Fleet</u> Novorossiysk Shipping Company	17	1981-1990
		Tanker "Dmitriy Medvedev"	<u>Ministry of Marine Fleet</u> Kherson Shipbuilding Production Association	5 (including 1 for export ships)	1983
		Lighter-aboard ship "Aleksey Kosygin"	<u>Ministry of Marine Fleet</u> Kherson Shipbuilding Production Association	4	1984
		Tanker "Grigoriy Nesterenko"	<u>Ministry of Marine Fleet</u> Kherson Shipbuilding Production Association	15 (including 10 for export ships)	1985
		Refrigerator "Bukhta Russkaya"	<u>Ministry of Fisheries</u> "61 Kommunar" Shipyard, Nikolaev	14 (including 1 for export ship)	1985
		Dry cargo carrier "Vitus Bering"	<u>Ministry of Marine Fleet</u> Kherson Shipbuilding Production Association	5	1986
		Ro-Ro "Sergey Kirov"	<u>Ministry of Marine Fleet</u> "Northern Shipyard", Saint-Petersburg	1	1989
		Dry cargo carrier "Ivan Papanin"	<u>Ministry of Marine Fleet</u> Kherson Shipbuilding Production Association	2	1990

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		Drilling ship "Arktikshelf"	<u>Ministry of Marine Fleet</u> Kherson Shipbuilding Production Association	1	1991
		Drilling platform MCI-16712	<u>Ministry of Marine Fleet</u> Astrakhan Shipbuilding Production Association	1	1991
10	CCS TF "Sever-81"	Project 10081 Nuclear lighter-aboard ship "Sevmorput"	<u>Ministry of Marine Fleet</u> Murmansk Shipping Company "Zaliv", Kerch	2	1985-1989
11	Automatic and remote motion control system "Iantar-1"	Salvage ship "Alagez"	<u>Ministry of Marine Fleet</u> "61 Kommunar" Shipyard, Nikolaev	1	1986
12	CCS TF "Sever"	Project 10521 Nuclear icebreaker "Sovietskij Sojuz"	<u>Ministry of Marine Fleet</u> Murmansk Shipping Company	1	1989
13	CCS TF "Sever-80"	Project 10580 Nuclear icebreakers "Taimyr", "Vaigach"	<u>Ministry of Marine Fleet</u> Murmansk Shipping Company, Shipyard, Finland	2	1989-90
14	Control system of technical facilities of dynamic stabilization "Selvinit-280"	Project 16280 Drilling ship "Arktikshelf"	<u>Ministry of Marine Fleet</u> Kherson Shipbuilding Production Association	1	1991
15	CS of technical facilities of dynamic stabilization "Magnetit-430"	Diving and salvage "Gindukush"	<u>Ministry of Marine Fleet</u> "61 Kommunar" Shipyard, Nikolaev	1	1990

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16	Control system of trim, stability and insubmersibility	Ro-Ro “Kronshtadt”	<u>Ministry of Marine Fleet</u> Baltic Shipping Company “Baltiyskiy Zavod”, Saint-Petersburg	1	1992
17	CCS TF “Sever-M”, system of registration of emergency parameters	Project 10521 Nuclear icebreaker “Yamal”	<u>Ministry of Marine Fleet</u> Baltic Shipping Company “Baltiyskiy Zavod”, Saint-Petersburg	1	1992
18	CCS TF “Selma” consisting of: – control system of electric power plant; – control system of auxiliary mechanisms and units; – control system of general ship systems; – centralized control system; – system of centralized uninterruptible power supply of automatics’ facilities.	Timber ship “Ramon Aboitiz”	<u>Philippines</u> Kherson Shipbuilding Production Association	1 for export ship	1993
		Project 15967 Tanker	<u>Ministry of Marine Fleet</u> Kherson Shipbuilding Production Association	3 for export ship	1994
19	Control system of main engine “Grom-M”	Timber ship “Ramon Aboitiz”	<u>Phillipines</u> Kherson Shipbuilding Production Association	1 for export ship	1993

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		Project 15967 Tanker	<u>Ministry of Marine Fleet</u> Kherson Shipbuilding Production Association	3 для экспортных судов	1994
20	CCS TF “Selma-MAS”	Tanker “Astrakhan”	<u>Ministry of Marine Fleet</u>	1	1990
		Project 15750 Tanker	<u>Ministry of Marine Fleet</u>	1	1990
		Tanker “Auriga”	<u>Ministry of Marine Fleet</u>	1	1990
		Project 17340 Tanker	<u>Ministry of Marine Fleet</u>	1	1990
		Project 16095 Tanker	<u>Ministry of Marine Fleet</u>	1	1990
		Tanker “Viktor Dubrovskij”	<u>Ministry of Marine Fleet</u>	1	1990
21	LCS of fuel (oil) separation unit “Avrolog-C”	Severo-Orekhovskoe oilfield-2	“Kaluga Turbine Works” JSC, Kaluga	1	1994
22	CCS TF “Avrolog -17310” consisting of:	River-sea dry cargo carrier “Rossija”	“Krasnoe Sormovo” JSC, Nizhniy Novgorod	5	1995

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	<ul style="list-style-type: none"> – 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. 	Dry cargo carrier "Sankt-Peterburg"	"Krasnoe Sormovo" JSC, Nizhniy Novgorod	3	2001-2002
23	<p>Set of automation facilities "Avrolog" consisting of:</p> <ul style="list-style-type: none"> – integrated console in pilot house; – integrated console in central control room; – harbor console. 	Project 17380 Bulker	<u>Estonian Shipping Company</u> "Yantar" Shipyard, Kaliningrad	1	1995
24	<p>Set of automation facilities "Avrolog" consisting of:</p> <ul style="list-style-type: none"> – control console of main engine and mechanisms in pilot house; – integrated console in central control room. 	Project 15760 Bulker	<u>Austria</u> "Northern Shipyard" JSC, Saint-Petersburg	2	1995

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25	Set of automation facilities “Avrolog” consisting of: <ul style="list-style-type: none"> – integrated console in central control room; – control system of general ship systems; – system of alarm and warning signaling; – system of insubmersibility monitoring. 	Export vessels	<u>Vietnam</u> “Toseko” Company	2	1996-1997
26	Automated control system of oil treating technological processes 1 (ACS of oil treating technological processes 2) consisting of: <ul style="list-style-type: none"> – 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

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27	CCS “Avrolog TC 1542” consisting of: <ul style="list-style-type: none"> – 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
28	CCS “Avrolog OPU 1542” consisting of: <ul style="list-style-type: none"> – 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
29	CCS TF “FICS-3”	Passenger vessel “Linda”	Private company	1	2000
30	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
31	Automated control system of technical facilities	Project 1710 Tug	“Amur Shipyard” JSC Komsomolsk-na-Amure	1	2005

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32	Main distribution board	Project 2731.3 Oil barge	“Kostroma Shipbuilding & Ship-Repair Yard” JSC	2	2005
33	Alarm and warning signaling system	Project 70129 Fishing vessel “Uraganny”	ZAO “Far Eastern Shipbuilding Leasing Company”, Vladivostok	1	2006
34	Control system of ship oil/water filtering plant “Avrolog NVFU”		ZAO “Kanon” Moscow	2	2006
35	Local control system of compressor control		“Zvezda” JSC Saint-Petersburg	3	2006
36	Navigator console	Project 1415 Diving vessel	FSUE “Srednenevsky Shipbuilding Plant” JSC	1	2006
37	Main distribution board	Project 27310 Oil barge	“Kostroma Shipbuilding & Ship-Repair Yard” JSC “Delta” Shipping Company	1	2006
38	Main distribution board	Project 27311 Oil barge	“Kostroma Shipbuilding & Ship-Repair Yard” JSC “Delta” Shipping Company	2	2008
39	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
40	CCS TF “Sever-M1»	Project 10521 Nuclear icebreaker “50 Let Pobedy”	Department of Shipbuilding Industry	1	2008
41	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

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42	Automated control system of technological processes of diesel-electric ice "Avrolog-DEL"	The Federal Target Program "Development of Civil Marine Equipment" for 2009-2016 years"	Department of Shipbuilding Industry and Marine Equipment	1	2013
43	Local control system "Liven-DA15"		JSC "VDM" - "Volzhskiy Dizel n.a. Maminykh"	2	213
44	Automated control system of technological processes of high-speed vessel	Passenger and transport vessels	Department of Shipbuilding Industry and Marine Equipment	1	2014-16
45	Automated control system of technological processes of multi-purpose nuclear icebreaker	Project 22220 Multi-purpose nuclear icebreaker	Federal State Unitary Enterprise "Atomflot"	1	2014-16
46	ICS TF "Zaliv-LK-21900M"	Project 21900M Icebreaker	Federal State Unitary Enterprise "Rosmorport"	3	2015
47	ICS TF "Zaliv-LK-22600"	Project 22600 Icebreaker	Federal State Unitary Enterprise "Rosmorport"	1	2015