

Reference sites

TCS990 VCCS systems

Document history

History	Changes	Author	Reviewer	Date
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The yellow marked systems are ATC systems. The blue marked systems are maritime systems.

System	Location/Client	Nr. Radio	Nr. CWP	PBX / POTS connections	Inter Switch links	comment	Status
3002	Port of Rotterdam HCC	16	(17)	3	3	4 simulcast (VOIP) frequencies, 16 remote sites + backup VCS	Operational 2006
3003-3006	VP Schijndel, Oosterhout, Tilburg and Helmond	27	13	0	4	4 control centres	Operational 2006
3007	VP Hansweert	3	4	0	0	Standard system	Operational 2006
3008	Schiphol luggage	5	5	0	0	Tetra mobile's	Operational 2006
3009-3014	VP Zandvliet, Zelzare, Zeebrugge, Vlissingen, Terneuzen, Hansweert	15,5,15, 17,5,6	11,1,8, 21,6,2	0	6	Schelde Radar Communication System 6 control centres combined.	Operational 2006
3015	Port of Rotterdam VCW	6	3	1	3	Standard system	Operational 2006
3016	Royal Dutch Airforce	6	1	0	0	Mobile Control Centre	Operational 2007
3017	Rohill	12	(6)	0	0	MPT diversity selector	Operational 2007
3018	LODICO	3	1	0	0	Simulcast system (X.21)	Operational 2007
3019	Sambeek	3	3	0	0	Standard system	Operational 2007
3020	3A-net (ministry of national affairs)	+/- 100	25	0	0	25 switches for national alarm and analogue backup communication system	Operational 2008
3021	Wemeldingen	12	2	0	0	Standard system	Operational 2008
3022	VP Groningen	4	3	0	0	Standard system	Operational 2008
3023	Belfeld	3	3	0	0	Standard system	Operational 2007

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3024	LVNL (North sea)	22	(3)	0	0	CLIMAX simulcast system for the helicopter flights North sea, main/backup	Operational August 2008
3025	VP Tiel	15	3	0	0	Standard system	Operational 2008
3026	St Andries	2	2	0	0	Standard system	Operational 2008
3027	Royal Dutch Airforce	6	1	0	0	Mobile Control Centre	Operational 2008
3028	VP Leidschendam	5	5	4	(5)	CCTV system communicates with 8 substations and 48 PA, Intercom audio devices.	Operational 2009
3029	VP Alphen	2	3	4	(5)	CCTV system communicates with 4 substations and 24 PA, Intercom audio devices.	Operational 2009
3030	VP de Waard	4	3	4	(5)	CCTV system communicates with 6 substations and 36 PA, Intercom audio devices.	Operational 2009
3031	VP Wijkertunnel	2	5	0	0	Standard system	Operational 2009
3032	VP Dordrecht	2	1	0	0	Simulcast channel for VP Dordrecht	Operational 2010
3033	VP Vianen	5	4	4	(5)	CCTV system communicates with 8 substations and 48 PA, Intercom audio devices.	Operational 2010
3034-3035	Port of Rotterdam VCO	39	18	12	3	2 simulcast (VOIP) frequencies, 16 remote sites + backup VCS	Operational 2010
3036	VP Gorichem	4	4	4	(5)	CCTV system communicates with 4 substations and 24 PA, Intercom audio devices.	Operational 2010
3037	HOC	11	8	0	2	Inter switch connection with PA	Operational 2010
3038	Port of Amsterdam	17	5	13	2	Inter switch connection with HOC	Operational 2010

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3039	Security Shell Amsterdam	6	2	0	0	Connected with Tetra switch	Operational 2010
3040-3041	Port of Rotterdam VCW	24	21	4	3	+ backup VCS (upgrade replaces 3015)	Operational 2011
3042-3043	Port of Rotterdam WPC	39	18	20	3	+ backup VCS (upgrade replaces 3002)	Operational 2011
3044	VP Volkerak	7	4	2	0	Standard system	Operational 2011
3045	Province South Holland	2	2	2	0	Demonstration and test system.	Operational 2011
3046	Sluis Tiel	2	2	0	0	6 PA and 7 remote intercom connections.	Operational 2011
3047	VP Groningen	13	19	89 x PA/intercom	0	Is made redundant with system 3104	Operational 2011
3048	Control centre Zueitina (Libya)	27	9	4	0	Combined ATC, marine and land mobile system. VOIP + simulcast.	Operational June 2012
3051	Ouddorp	4	1	0	0	VHF FM Simulcast	Operational 2012
3052	Houtribsluis	13	2	8	0	VHF FM simulcast	Operational 2012
3053	Prinses Beatrix Sluis	4	2	0	0	Standard system	Operational 2012
3054-3056	Waddenzee	21	10	0	3	NAVTEX and GMDSS	Operational 2012
3057	VP Dordrecht	22	6	16	0	Diversity voting	Operational 2012
3058	Haringvliet	2	2	0	0	Standard system	Operational 2012
3059-3061	HBR (VCR+VCS+VCH+HC C)	87	79	24 (PABX+SIP)	3	Upgrade naar Simulcast over IP	Operational 2013
3062	OTA	0	1	0	0	Outdoor intercom and PA system	Operational 2013
3063	Juliana sluis	1	1	0	0	Outdoor intercom (11x) and PA system (12x)	Operational 2013
3064	Sluis Weurt	2	2	0	0	Standard system	Operational 2013
3065	Sluis Lith	2	3	0	0	Standard system	Operational 2013

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3066	Wijk bij Duurstede	28	6	0	0	Diversity voting	Operational 2013
3067	VTS NZK	76	27	16(PABX+SIP)	0	Diversity voting +VHF FM simulcast	Operational 2013
3068	Zavetem	4	(2)	0	0	CLIMAX AM	Operational June 2013
3069	Kooylsuis	3	3	0	0	VHF FM simulcast	Operational 2013
3070	Biggin Hill	15	4	6	0	Standard system	Operational October 2015
3071	Hollandse IJsselkering	4	1	4(PA by SIP)	0	Standard system	Operational 2014
3072	Maasbracht	3	9	12 (SIP) +18 (PA SIP) + 4 intercom	4	Combinet radio, PA and intercom central command post. (SCADA)	Operational 2014
3073	Maastricht	3	2	3 xPA + 6 x INT	1	Satelite Maasbracht (contingency) (SCADA)	Operational 2014
3074	Heel	7	4	12 x PA + 17 x INT	1	Satelite Maasbracht (contingency) (SCADA)	Operational 2014
3075	Born	3	2	10 x PA + 5 x INT		Satelite Maasbracht (contingency) (SCADA)	Operational 2014
3076	Belfeld	3	2	11 x PA + 12 x INT		Satelite Maasbracht (contingency) (SCADA)	Operational 2015
3077	Houtribsluis	1	1	17 x PA + 5 x INT		Standard system	Operational 2015
3078	VCS_Scheveningen	5	2	0	0	Standard system	Operational 2015
3079	Sluis 16	1	1	0	0	Remote part of new VCS Tilburg	Operational 2015
3080	Sluis 15	1	1	0	0	Remote part of new VCS Tilburg	Operational 2015
3081	Training rig Dublin	2	2	4	0	Standard ATC EVCS	Used for training only
3082	EVCS Dublin centre	15	29	29	0	Standard ATC EVCS	Operational October 2015
3084	Gaz du France	16	3	0	0	8 Remote oil rig helicopter/marine	Operational 2014

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3085	VUMC	23	3	0	0	3 channel large area simulcast FM system	Operational 2014
3086	Heumen	2	1	0	0	Remote system for system Weurt	Operational 2014
3087	ECAA1 Ethiopia	16	3	32	0	Standard ATC system	Operational January 2014
3088	ECAA2 Ethiopia	16	3	32	0	Standard ATC system	Operational January 2014
3089	EVCS Ballycasey centre	31	44	44	0	Standard ATC EVCS	Operational December 2015
3090	Sluis Amsterdam	4	3	0	0	Standard system	Operational 2015
3091	Airport Zaventem	4	X	0	0	Special redundant CLIMAX system	Operational June 2013
3092	Waternet (main)	12	10	80 x PA + 80 x intercom	0	Main system redundant remote connections + SCADA	Operational 2015
3093	Waternet (uitwijk)	(12)	4	(80 x PA + 80 x intercom	0	Backup system redundant remote connections + SCADA	Operational 2015
3094	Brugman 2	12	8	21 x PA + 45 x intercom	0	Radio, PA and intercom + SCADA	Operational 2015
3095	Waternet (tijdelijk)	2	5	4 x PA + 4 x intercom	0	Radio, PA and intercom + SCADA	Operational 2015
3096	Charleroi	2	4	4 x PA	0	Radio, PA and SCADA	Operational 2015
3097	Rijks Waterstaat Delft	8	2	8 x PA + 4 x PBX + 4 x PA	4	Test system	Operational 2015
3098	Rijks Waterstaat Brug N33	1	1	2 x PA	0	Switchless radio	Operational 2015
3099	Isles of Scilly	8	3	6 x PBX + Crash	0	Standard ATC system	Operational February 2015
3100	Rijks Waterstaat Botlekbrug	1	2	0	0	Switchless radio	Operational 2015
3101	Zeeland Seaports	2	6	0	0	System with diversity	Operational 2016
3102	Shannon Tower	3	4	4 x PBX	0	Standard ATC EVCS	Operational June 2016

System	Location/Client	Nr. Radio	Nr. CWP	PBX / POTS connections	Inter Switch links	comment	Status
3103	Lodico	1	3	0	0	FM simulcast Waddenzee	Operational 2016
3104	Willebroek	6	8	6 x PA + 4 x intercom	0	FM simulcast Willebroek	Operational 2016
3105	VP Groningen Redundant	13	19	89 x PA/Intercom	0	Is made redundant with System 3047	Operational 2016
3106	Kampenhout	4	4	4 x PA+ 4 x intercom	0	FM simulcast Kampenhout	Operational 2016
3107	Lydd	3	5	3 x PBX/ ATOTN	0	Standard ATC system	Operational 2016
3108	Dublin Tower	4	4	3 x PBX/ ATOTN	0	Standard ATC EVCS	Operational April 2016
3109	Systeem Nijmegen	21	6	0	1	Maritime Simulcast system	Operational. January 2016
3110	Traffic Post Wemeldinge	14	2	0	0	Maritime simulcast system	Operational October 2015
3111	Coastguard Aruba, Bonaire, Curacao	32	5	2x PBX 4x ISDN		Coast guard Maritime system with DSC and NAVTEX, with PC based consoles	Operational July 2016
3112	Aberdeen	17	13	5 x PBX	0	Standard ATC VCS	Operational July 2016
3113	Systeem sluis 3 Wilhelminakanaal	1	1	1x PA, 4x intercom (All SIP)	0	Maritime system	Operational October 2015
3114	Vagar Airport	12	2	2x PSTN	0	Main Air Traffic System with simulcast	Operational October 2015
3115	Luton Airport	10	4	8x PBX 1x Direct phone	0	Emergency Air Traffic System	Operational July 2016
3117	Southampton Airport	5	5	3x ISDN 2x PSTN 5x Direct phone	0	Emergency Air Traffic system	Operational July 2016
3118	Voornse sluis	0	1	2x PA 9x Intercom (All SIP)	0	Lock system for PA and intercom	January 2016

System	Location/Client	Nr. Radio	Nr. CWP	PBX / POTS connections	Inter Switch links	comment	Status
3119	Ballygirreen	24	21	21x PBX	0	Emergency Air Traffic system	Installed September 2016. Waiting for third party systems
3120	Vejamate Windfarm	5	2	0	0	Offshore communication system. DSC, Dynamic channel selection. ATC frequency.	Operational November 2016
3121, 3126	Gijon Aviles	4	4	0	0	Coast guard system, Full redundant	t.b.d.
3123	Nederrijn en Lek	12	7	6x PA 6x Intercom (all SIP)	0	Maritime lock and bridges remote control	Commissioning
3124	NAM platformen	2	2	0	0	Offshore system	?
3125	Irish Coastguard	40	0	0	0	Analogue <-> ED137 converters for every radio.	Operational September 2016
3127	Stationbrug Franeker	3	2	3x PA (SIP)	0	Maritime bridge control	?
3128	Stansted Airport	5	5	8x PSTN 4x Direct phone	0	Emergency Air Traffic System	Commissioning January 2016
3129	Bayanet Engineering Emirates	-	-	-	-	4x Analog <-> ED137 converter	Commissioning January 2016

The systems 3111 Coastguard Aruba, Bonaire Curacao and 3120 Vejamate do have DSC and NAVTEX operational