

Reference List of CFT

Company:	Location:	Furnace	Type of Project:	Year:	Involvement:
Hydro Aluminium Sunndal	Norway	CBF	ABF Modernization Project	2026 2025	FEL 3 Study FEL 2 & 3 Study
Hydro Aluminium Sunndal	Norway	CBF	ABF Modernization Project	2024	FEL 1 Study
Hydro Aluminium Sunndal	Norway	CABF	ABF Modernization Project	2024	FEL 0 Option Study
Tokai Carbon Hickman	USA	CEBF	Rebuild Project	2024	Audit and FEL 0 Study
Century Aluminum Mt. Holly Operations	USA	CBF	Narrow Flue Wall Design	2024	Detail Engineering
Aluminium of Greece	Greece	CBF	CBF Optimization	2024	Detail Engineering & FW Modeling
Century Aluminum Mt. Holly Operations	USA	CBF	Flue Wall Design	2024	Detail Engineering
Century Aluminum Sebree Operations	USA	CBF	Flue Wall Design	2024	Detail Engineering
Aluminerie Alouette Inc. [AAI]	Canada	CBF	Pilot Cross-Over Repairs	2024	Supervision, Quality Assurance, and Training
Alcoa Portland Aluminium	Australia	CBF#262	Rebuild Project	2024 2023	FEL 2 Study / Pre-Engineering
Sanvira Tech (FZC) LLC	Oman	CBF	Greenfield 300kt/a ABF Project	2023	Detailed Review ABF
Aluminerie Alouette Inc. [AAI]	Canada	CBF 300 & 400	Cross-Over Repairs	2023	Engineering & Project Consultancy
Aluminerie Alouette Inc. [AAI]	Canada	CBF 200 → 400	Audit Refractory Condition	2022	Rebuild Recommendation

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Aluminium of Greece	Greece	CBF	CBF Extension Project	2022	Fact Finding Report
San Ciprián Alcoa-Aluminio Plant	Spain	CBF	Rebuild Project	2022	FEL 2 Study / Pre-Engineering
Century Aluminum Hawesville Operations	USA	CBF#1 & #2	Rebuild Project	2022	Pre-Engineering
Aluminerie Alouette Inc. [AAI]	Canada	CBF 100 → 400	Rebuild Project	2022	FEL-2 Support
Century Aluminum Mt. Holly Operations	USA	CBF #261 N & S	Inspection	2021	Refractory Condition Inspection
Century Aluminum Sebree Operations	USA	CBF #261 E & W	Inspection	2021	Refractory Condition Inspection
Century Aluminum Hawesville Operations	USA	CBF#1, #2 & #3	Audit Refractory Condition	2021	Inspections, Recommendations
Century Aluminum Vlissingen Operations	The Netherlands	CBF #C	Maintenance Project	2021	RFQ-documentation
Aluminerie Alouette Inc. [AAI]	Canada	CBF 100 → 400	Audit Refractory Condition	2021	Inspections, Recommendations
TOKAI ErftCarbon	Germany	CBF #G	Rebuild Project	2020 2021	Refractory Engineering & Project Consultancy
Trimet Hamburg	Germany	CBF #F23	X-Over Renewal Project	2020	Total Engineering, Project Management & Supervision
Trimet Hamburg	Germany	CBF #F23	Rebuild Project	2020	Material Inspections, Project Management & Supervision
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #5	Inspection	2020	Civil Inspection and Advice
Trimet Hamburg	Germany	CBF #F23	Rebuild Project	2019	Total Engineering & Project Management Support

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Century Aluminum Vlissingen Operations	The Netherlands	CBF #D	Rebuild Project	2019	Project Management & Supervision
Century Aluminum Vlissingen Operations	The Netherlands	CBF #D	Rebuild Project	2018	Refractory Inspections
Century Aluminum Vlissingen Operations	The Netherlands	CBF #D	Rebuild Project	2018	Procurement & Project Management Support
Century Aluminum Vlissingen Operations	The Netherlands	CBF #D	Rebuild Project	2018	Detail Engineering
Boyne Smelters Limited [BSL]	Australia	CBF #3	Furnace Height Increase	2018	Basic Feasibility Study
KAP Kombinat Aluminijuma Podgorica	Montenegro	CBF	Total Rebuild Project	2017	Fact Finding and Technical Proposal
Century Aluminum Vlissingen Operations	The Netherlands	CBF #D	Rebuild Project	2017	Pre-Engineering
Century Aluminum Vlissingen Operations	The Netherlands	CBF #D	Maintenance System	2017	X-Over Rebuild (partly)
NZAS	New Zealand	CBF #4	Update to ProBake Firing System	2016	Project Support
Century Aluminum Vlissingen Operations	The Netherlands	CBF #D	Maintenance	2016	Inspections, New X-Over
AVR	The Netherlands	Waste Incinerator	Maintenance Contract	2016	Consultancy
Century Aluminum Vlissingen Operations	The Netherlands	CBF #E	CBF Project	2016	Study for a new CBF

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Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #2 & 7	Update to ProBake Firing	2016	Project Support
Century Aluminum Vlissingen Operations	The Netherlands	CBF #C	Rebuild Project	2015 2014	Engineering, Procurement & Project Management Ass. Supervision
Project Carte Blanche Westvoorne	The Netherlands	None	Project Execution	2014	Consultancy & Supervision
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #1→7	Civil Condition CBFs	2014	Inspections & Update Report
Century Aluminum Vlissingen Operations	The Netherlands	CBF #D	Modification of CBF	2014	Study
INNOVATHERM for Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #4	Process Control & Firing System Manual	2013	Translation into Dutch
Century Aluminum Vlissingen Operations	The Netherlands	CBF #D	Refractory Maintenance	2013	PCM
Billiton Aluminium SA Limited	Bayside Aluminium South Africa	CBF #102	End Wall Deformation Operation and Refractory	2012	Specialist Support, Inspection of Installed Propping Practical & Technical Advises Inspections
Century Aluminum Vlissingen Operations	The Netherlands	CBF #C & #D & Paste Plant	Acquisition of former ZALCO plant	2012	Specialist Support, General Assistance, Practical & Technical Advises Inspections for due diligence

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PCO Polska Ceramika Ogniotrwała & Aluminium & Chemie Rotterdam B.V.	Poland The Netherlands	CBF #2, 4 & 7	Refractory Project	2012	Coordination between PCO & Aluchemie
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #4	New ProBake Firing System	2012	Project Support
Billiton Aluminium SA Limited	Bayside Aluminium South Africa	CBF #102	End Wall Deformation Operation and Refractory	2012	Specialist Support, Audit & General Assistance, Practical & Technical Advises Inspections
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #4	New ProBake Firing System	2011	Project Support
PCO Polska Ceramika Ogniotrwała	Poland	PCO Plant	Plant Development	2011	Tunnel Kiln#2 Project Technical Report
VOERDAL	Germany	CBF	Partly Rebuild of CBF	2011	Side Wall Engineering
Billiton Aluminium SA Limited	Bayside Aluminium South Africa	CBF #102	End Wall Deformation	2011	Solution & Engineering
PCO Polska Ceramika Ogniotrwała & Aluminium & Chemie Rotterdam B.V.	Poland		Top Blocks Project	2010	Coordination between
INNOVATHERM	The Netherlands	ZALCO	Process Control & Firing System Manual	2010	Specialist Support
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #8 new	Greenfield, Gate 2 support	2010	Specialist PM Support

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PCO Polska Ceramika Ogniotrwała	Poland	PCO Plant	Plant Development	2009	Specialist Support, Audit & General Assistance, Practical & Technical Advises
ALCOA Mosjøen	Norway	Mosjøen CBF Fjardaal #1 Fjardaal #2	Maintenance Program	2009	Specialist Support, Autopsy of a Flue Wall, Inspection of the CBF's
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #6	Civil Maintenance Program	2009	Specialist PM Support Preparation of RFT, EHS, Budget Project Management Plan, Project Execution Plan,
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #1→ 4	Maintenance Program	2009	Specialist PM Support Site Coordination, Schedules,
EMAL Emirates Aluminium Company	Abu Dhabi-UAE	CBF #1 & #2	Greenfield	2009	Construction Site Support
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #5 →7	Maintenance Program	2008 2009	Specifications, Schedules, Tests
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #8	Greenfield	2008	Specialist Support, Review of Basic design
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #1→7	Maintenance Program	2008	Specialist PM Support (Review of Civil Condition, Action Plan)
PORTLAND Aluminium	Portland AL, Australia	CBF #262	Rebuild Project	2008	Specialist Project, Refractory and Civil Support (Eyes for Quality Control)

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ALCOA WORLD ALUMINA AUSTRALIA	Point Henry Smelter	CBF #262	Rebuild Project	2008	Inspection of CBF after Start Up
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF's	Development of Master Plan (Study to double AC's production)	2007 2008	Report on Logistics, AC History & CBF Development
PORTLAND Aluminium	Portland AL, Australia	CBF #262	Rebuild Project	2007	Review of Refractory and Tub Design
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #4	Rebuild Project	2006 2008	Specialist Project, Refractory and Civil Support
Billiton Aluminium SA Limited	Bayside Aluminium	CBF #102	Tub Wall Deformation	2006	Report and Action Plan
Tomago Aluminium Company Pty Limited	Australia	BO #1	Refurbishment Study	2006	Review of Phase Two Strategy
Alcoa Mosjøen Anode Plant Project	Elkem, Norway	Mosjøen CBF	Greenfield	2005	Review of Refractory and Tub Design, Refractory Modeling
Alcoa Mosjøen Anode Plant Project	Elkem, Norway	Fjardal #1	Greenfield	2005	
Alcoa Mosjøen Anode Plant Project	Elkem, Norway	Fjardal #2	Greenfield	2005	

Carbon Bake Furnace Reference List of Peter van Varik & Team:

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Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #4	Refurbishment	1985	EPPCM
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #5	Refurbishment	1986	EPPCM
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #6	Refurbishment	1987	EPPCM
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #3	Refurbishment	1990	EPPCM
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #1	Refurbishment	1995	EPPCM
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #6	Extension to 48 Sections	1999	EPPCM
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #2	Extension and Upgrade	2001	EPPCM
Aluminium & Chemie Rotterdam B.V.	The Netherlands	CBF #7	Greenfield	2003	EPPCM
Alcan Smelters and Chemicals Limited	ALMA, Canada	CBF #1	Greenfield	1999	TP, E, Site Support
Alcan Smelters and Chemicals Limited	ALMA, Canada	CBF #2	Greenfield	2000	TP, E, Site Support
Alcoa of Australia	Point Henry, Australia	CBF #262	Refurbishment and Expansion	1991	TP, E, Site Support
Abbreviations:					
TP	Technology Package				
E	Engineering				
EPP	Engineering, Permits, Procurement				
EPPCM	EPP and Construction Management				

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Bayside Aluminium Limited	Alusaf, South Africa	CBF #3	Rebuild of Closed Furnace into Open Type Furnace	1999	TP, E, Site Support
Boyne Smelters Limited	BSL, Australia	CBF #3	Greenfield	1997	TP, E, Site Support
Centro Aluminio S.p.A.	Alucentro, Italy	CBF #3	Refurbishment	1991	TP, E, Site Support
Comalco Aluminium Limited	Bell Bay, Australia	CBF #3	Greenfield	1989	TP, E, Site Support
Dubai Aluminium Company Limited	DUBAL, UAE	KILN #3	Greenfield	1996	TP, E, Site Support
Dubai Aluminium Company Limited	DUBAL, UAE	KILN #4	Greenfield	1998	TP, E, Site Support
Dubai Aluminium Company Limited	DUBAL, UAE	KILN #1	Rebuild of Closed Furnace into Open Type Furnace	1999	TP, E, Site Support
Dubai Aluminium Company Limited	DUBAL, UAE	KILN #2	Rebuild of Closed Furnace into Open Type Furnace	2003	TP, E
New Zealand Aluminium Smelters Limited	NZAS, New Zealand	CBF #4	Greenfield	1996	TP, E, Site Support
Abbreviations:					
TP	Technology Package				
E	Engineering				
EPP	Engineering, Permits, Procurement				
EPPCM	EPP and Construction Management				