

TRACK RECORD - Aluminium



Cathode Sealing

✓ 1984 Alcoa	Baie-Comeau	Canada	3000 cathodes AP18
✓ 1985 Alcoa	Bécancour	Canada	6000 cathodes AP18
✓ 1986 Alcoa	Bécancour	Canada	1000 anodes AP18
✓ 1989 Alcoa	Bécancour	Canada	3000 cathodes AP18
✓ 1991 Alcoa	Deschambault	Canada	5300 cathodes AP30
✓ 1992 Alouette	Sept-Iles	Canada	5300 cathodes AP30
✓ 1994 Alcoa	Deschambault	Canada	5000 cathodes AP30
✓ 1995 BHP Hillside	Richard's Bay	South Africa	12000 cathodes AP30
✓ 2000 Rio Tinto Alcan	Alma	Canada	9000 cathodes AP30
✓ 2001 Rio Tinto Alcan	Alma	Canada	18000 anodes AP30
✓ 2003 PNL	Vlissingen	Holland	Supervision – assistance
✓ 2007 Alcoa Fjardaal	Reyðarfjörður	Iceland	5000 cathodes
✓ 2012 Maaden	Ras Al Khair	Saudi Arabia	14420 cathodes
✓ 2014 Rio Tinto Alcan	Kitimat	Canada	7710 cathodes

Potlining

✓ 1990 Alcoa	Bécancour	Canada	240 pots AP18
✓ 1990 Alcoa	Baie-Comeau	Canada	180 pots AP18
✓ 1991 Alouette	Sept-Iles	Canada	264 pots AP30
✓ 1995 BHP Hillside	Richard's Bay	South Africa	579 pots AP30
✓ 1998 Aluar	Puerto Madryn	Argentina	144 pots AP18
✓ 2003 PNL	Vlissingen	Holland	Supervision & assistance
✓ 2006 Aluar	Puerto Madryn	Argentina	144 pots AP22
✓ 2008 RTA	Dunkerque	France	Training & Supervision AP3x
✓ 2012 Maaden	Ras Al Khair	Saudi Arabia	721 pots AP3x
✓ 2015 RTA	Kitimat	Canada	384 pots AP3x

Anode Baking Furnaces by Brasco

2000 RTA Alma, Canada	Construction of two anode baking furnaces
2004 Dubal, UAE	Civil & refractory – Addition of 16 sections to 1 abf
2005 Alouette, Canada	Construction of two anode baking furnaces
2005 Dubal, UAE	Demolition & Construction of no3 abf <i>without interrupting production</i>
2005 Dubal, UAE	Demolition & Construction of no4 abf <i>without interrupting production</i>
2007 Dubal, UAE	Demolition & Construction of no1 abf <i>without interrupting production</i>
2008 Alouette, Canada	Height increase of one bake furnace <i>without interrupting production</i>
2008 Aluminij, Bosnia	Supervision on Demolition & Construction of 1 abf
2010 KAS, Kazakhstan	Supervision on Construction of one abf
Since 2010 ABI, Canada	<u>Complete</u> & on-going Rebuild of one abf <i>without interrupting production</i>

Anode Baking Furnaces by SET Linings **(Euro & Middle-East BF Operations)**

2007 Aluchemie, Holland	Construction of 1 abf, 28 sections – Alesa
2008 Hormozal, Iran	Construction of 1 abf, 34 sections – RH
2008 Qatalum, Qatar	Construction of 2 abf, 50 + 66 sections – AP
2008 Aluar, Argentina	Construction of 1 abf, 34 sections – AP
2008 RTA, France	Major repairs to one abf – AP
2009 EMAL ph1, UAE	Construction of 2 abf, 2 x 64 sections – RH
2011 Trimet, Germany	Construction of 1 abf, 48 sections – RH
2012 Maaden, Saudi Arabia	Construction of 2 abf, 50 + 66 sections – AP
2013 RTA, France	Complete demolition and rebuild of the abf – AP
2013 EMAL ph2, UAE	Construction of 1 abf – AP

Holding & Melting Furnaces

Since 2005 ;

- 25 demolitions, with 44 complete new linings on either holding and/or melting furnaces, at; Hydro, BIS, Qatalum, RTA, Alcoa.
- 156 major interventions of more than 20 000lbs each, on repairs of either holding and/or melting furnaces.

Long-term maintenance contracts

Since 2011

- Relining of all electrolysis pots at Rio Tinto Alma

Since 2011

- Relining of all electrolysis pots at Rio Tinto Shawinigan

Since 1992

All maintenance works at Aluminerie Alouette

- Relining of all electrolysis pots
- All repairs to the anode baking furnaces

Since 1992

All maintenance works at Aluminerie Lauralco

- Relining of all electrolysis pots
- All repairs to the anode baking furnaces

Since 1986

All maintenance works at Aluminerie de Bécancour

- Relining of all electrolysis pots
- All repairs to the anode baking furnaces

Other Services

- Inspections and analysis of refractories
- Technical field supervisors and quality controllers

Manufacturing of precast FW cap shapes;

- ABI Aluminium Smelter, since 1990
- Lauralco Aluminium Smelter, since 1994
- Alouette Aluminium Smelter, since 1995
- RTA Sebree Aluminium Smelter in 2010