

AP Technology™

Sustainable Development Environmental technical services



Making a difference

At Rio Tinto Alcan, we supply technology packages and solutions with the highest level of commitment to addressing health, safety and environmental (HSE) issues.

This includes providing customers with environment related training through it's dedicated Institut Paul Héroult (IPH).

We also deliver tailor made technical assistance that leverages our in-depth expertise and resources. This assistance ranges from operational excellence support on scrubbing and environmental equipment and processes to specific computation fluid dynamics (CFD) modelling activities such as workshop ventilation studies, pollutant dispersion modelling and, among others, in-pot gas collection optimisation.

We're highly committed
to addressing HSE issues.

Our services

General environmental studies

- Supporting studies for environmental impacts
- Supporting studies for sanitary impacts
- Supporting studies for the dispersion of pollutants
- Auditing sulphur in smelters (regulatory framework)

Air: treatment centres and reduction of fugitive emissions including fluoride, dust, hazardous air pollutants (HAP) and sulphur dioxide (SO₂)

- Auditing gas treatment centre (GTC) operations
- Auditing fume treatment centre (FTC) operations
- Auditing spent potlining (SPL) operations
- Technical assistance for GTC / CTF / SPL (in the event of specific problems)
- Developing specifications and analysing vendor offers
- Developing emissions reduction strategies
- Assisting with installation start-up

Air: environmental measures

- Implementing measurement methods
- Auditing measurement methods
- Conducting specific measurement campaigns (stacks and roof vents)
- Conducting perfluorocarbon (PFC) measurement campaigns and data analysis

Waste: dangerous and solid (lining, dross and fluorine waste)

- Assessing and qualifying waste treatment (including developing specifications)
- Auditing waste treatment and valorisation routes

Ventilation of industrial buildings

- Studying industrial building ventilation (exposure of operators to pollutants and heat, positioning of measurement instruments and improvement recommendations)

Creeping smelters: mitigation support for environmental impacts

- General support for creeping smelters

Training

- General environmental training
- Gas treatment centre (GTC) training
- Fume treatment centre (FTC) training
- Start-up training
- Environmental measures training

AP Technology™: a step ahead
in sustainable development to
make a positive difference!

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