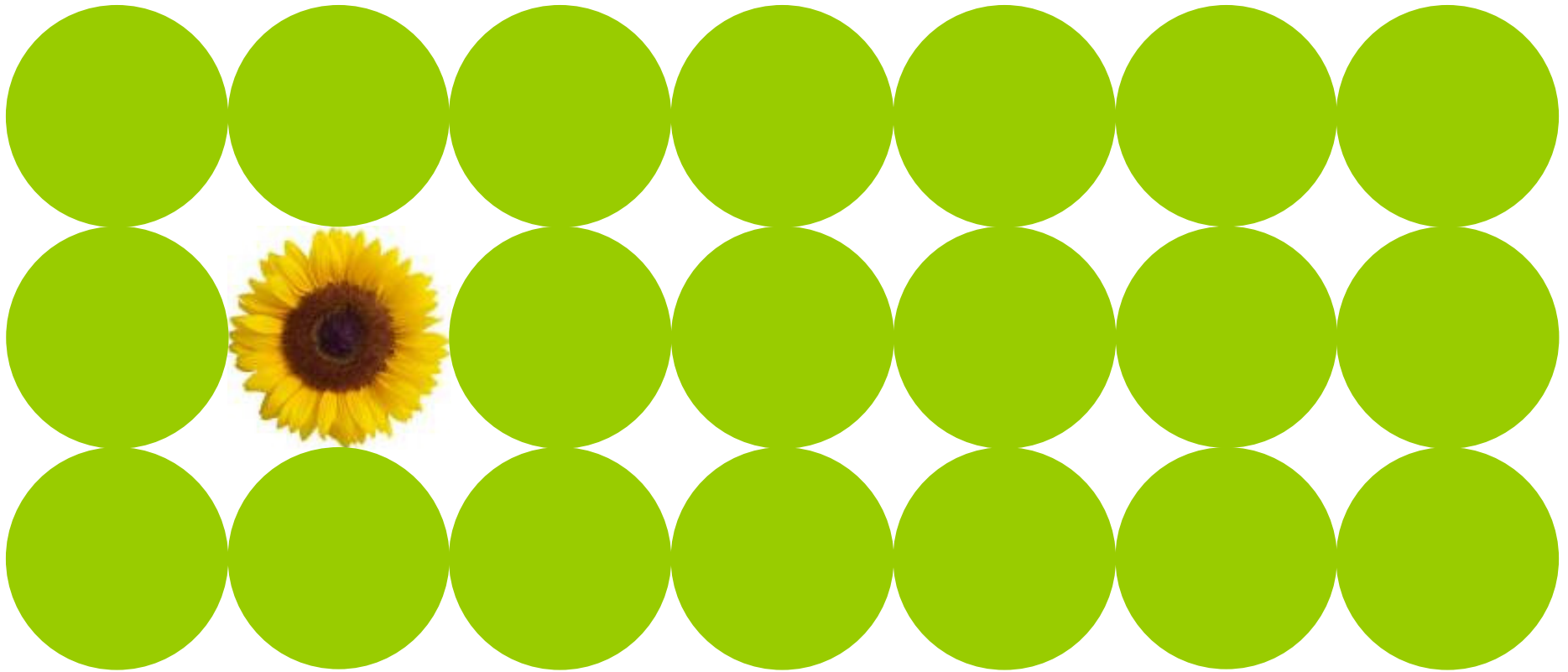


Alunorte



Geraldo Brittes, Plant Manager Alunorte
November 8, 2012

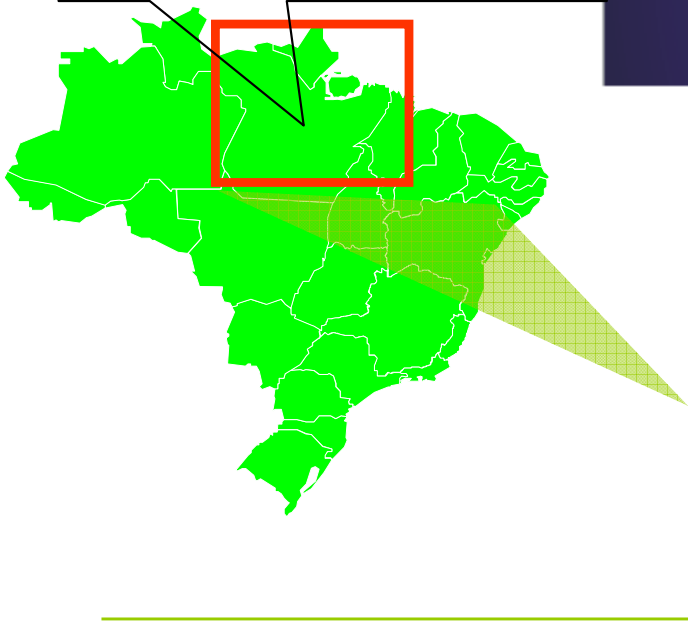
Welcome to Alunorte



Location



Pará
Total area: 1.247.689,515 km²
Population: 7.431.020



Belém
Total area: 1.819 Km²
Population: 2.105.621 (Metropolitan Area)



Barcarena
Total area: 1.310 Km²
Population: 92.567

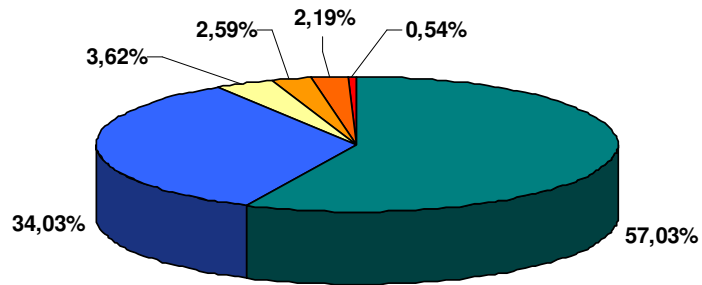
Location



Plant Overview

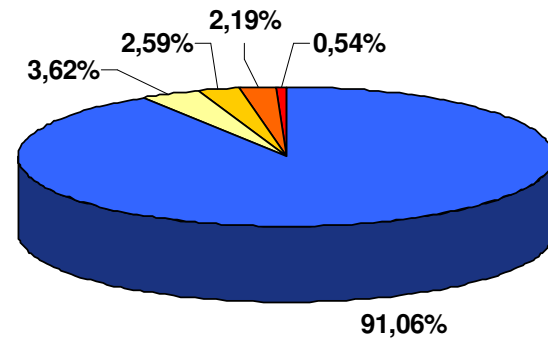


Shareholders – Before Closing



- Vale S.A.
- Hydro Aluminium Brasil Investment B.V.
- Companhia Brasileira de Alumínio
- Nippon Amazon Aluminium CO., Ltd.
- Mitsui & CO., Ltd.
- Japan Alunorte Investment CO., Ltd.

Shareholders – After Closing



- Hydro Aluminium Brasil Investment B.V.
- Companhia Brasileira de Alumínio
- Nippon Amazon Aluminium CO., Ltd.
- Mitsui & CO., Ltd.
- Japan Alunorte Investment CO., Ltd.

General information

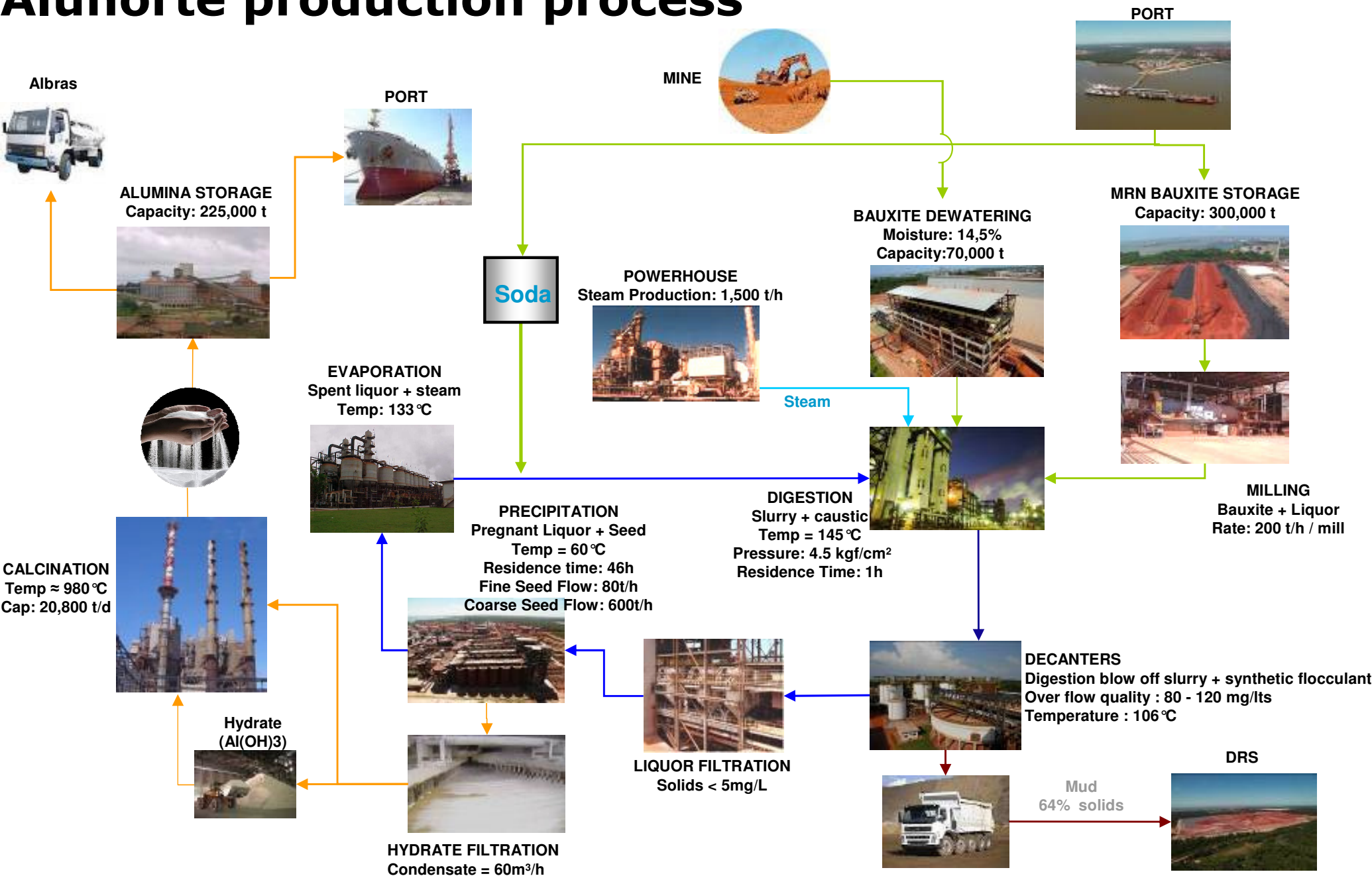


Start up in 1995, with the design capacity of 1.1 million tpy

The current capacity is 6.26 millions tpy, after the completion of expansion 3

Around 4,500 total employees, direct plus permanent and temporary contractors

Alunorte production process



— Hydrate and Alumina
 — Slurry/Liquor
 — Slurry Bauxite/Soda
 — Red Mud



Safety and Health



Safety and Health Management System certified by the OHSAS 18.001 since February 2004

ABS (Safety Brazilian Agency) GOLD Top Award in 2009 and 2010.

ABS (Safety Brazilian Agency) Silver Top Award in 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007 and 2008.



Serious Injuries Frequency Rate of 1.01 (4 millions hours basis) in 2011, new all time record.

DuPont was hired as one of the actions to achieve excellence in EHS.

Environment



ABS (Safety Brazilian Agency) Environmental GOLD Top Award in 2010 and 2011.

2010 - Energy efficiency recognition at Hannover Messe

Environment Management System certified by the ISO 14001 since January 2004

Red Mud treatment developed with the most modern environmental technology

CNI (Industries National Confederation) Environment Award for the use of red mud as raw material for bricks production

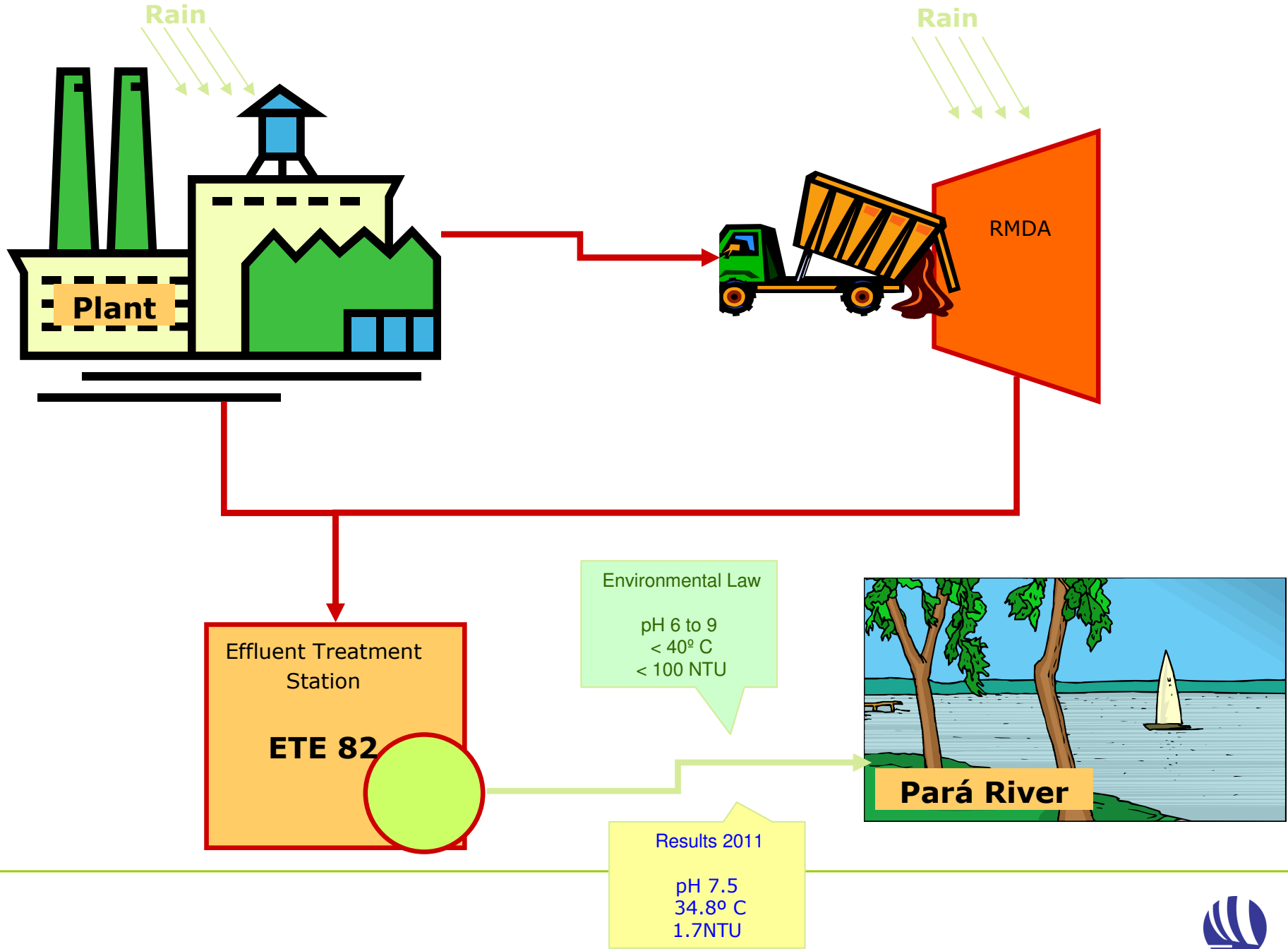
Green belt of 3,500 hectares around the plant

Reforestation project on the red mud deposit with local species

Red Mud Project for production of pavement blocks

Monitoring of air emissions and Effluents Georeferencing

Liquid Effluent Treatment Station



Corporate Social Responsibility - Main Projects Ongoing



Green house Project

Partnership with the Brazilian Agricultural Institute. Green Houses construction with recycled tubes from Alunorte. Several families generating incoming from this project. The Green Houses allow the families to increase significantly the vegetables production by decreasing the time to crop. Now a days the Green Houses are supplying the Alunorte and Albras canteens and the local supermarket



Citizenship and Computer Teaching

Computer and citizenship classes to the communities members, enabling people to get better jobs. Up to now around 1000 students were graduated by this program



Fashion Cooperative (Coopermodas)

Fashion cooperative to take advantage of the dressmakers potential of the San Francisco Village, aiming to increase the income of the community. Nowadays, Coopermodas provides some PPE to Alunorte and Albras (flange protectors, Diphoterine cases etc.)

Pastoral do Menor

Support and Infrastructure to the Pastoral do Menor. This Organization helps poor children through courses of arts, crafts drawing, embroidering and school tutoring.

Bola pra Frente, Educação para Gente



The main objective is to use the sport to improve the performance of the local students, contributing for their Social Behavior and Health education and also for the environment.

Educational prize to the best students of Barcarena



Selection made during the Alunorte Cup

Participation of more than 2,500 students from 25 schools per year.

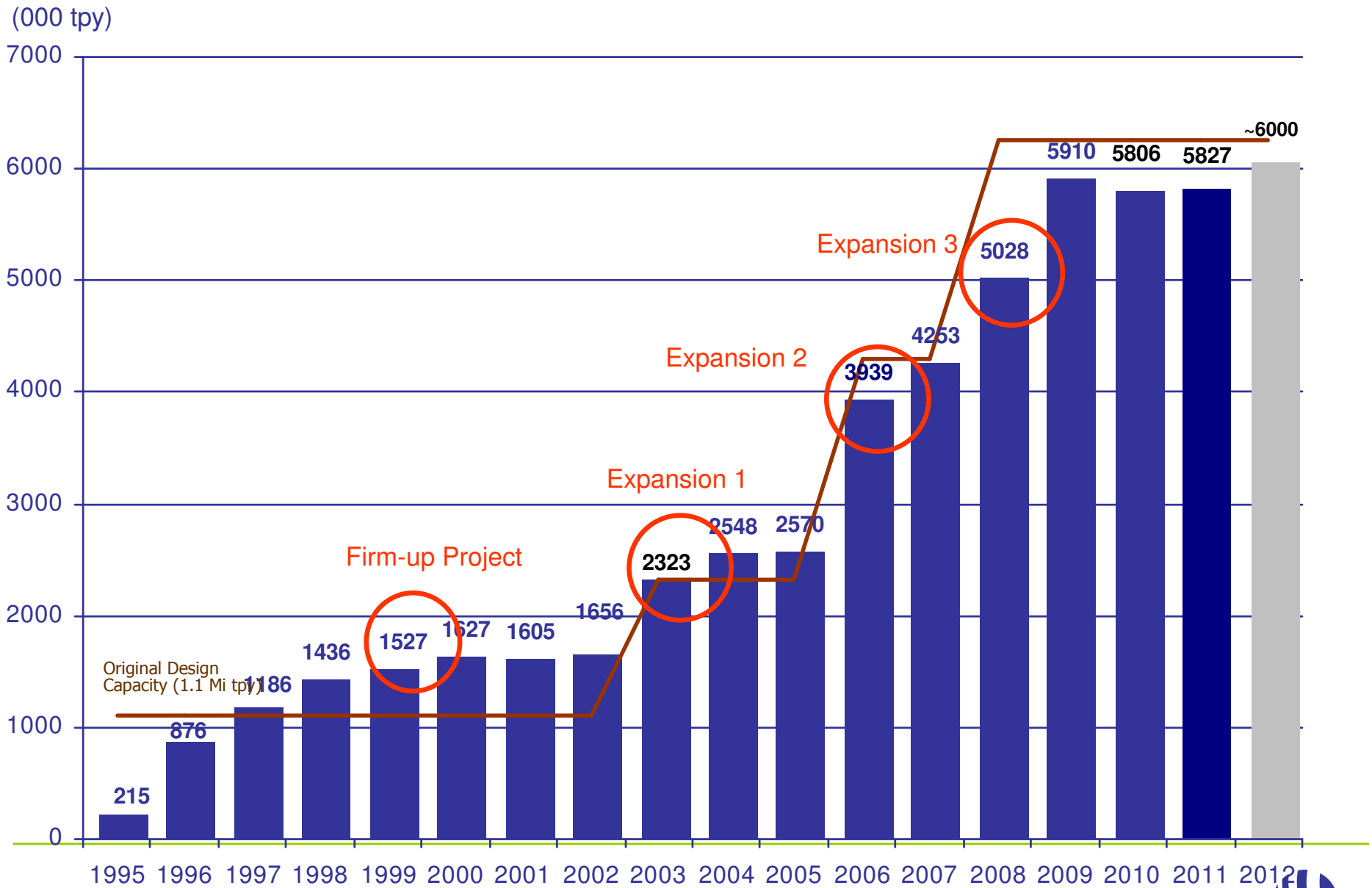
Integration between Alunorte and the communities



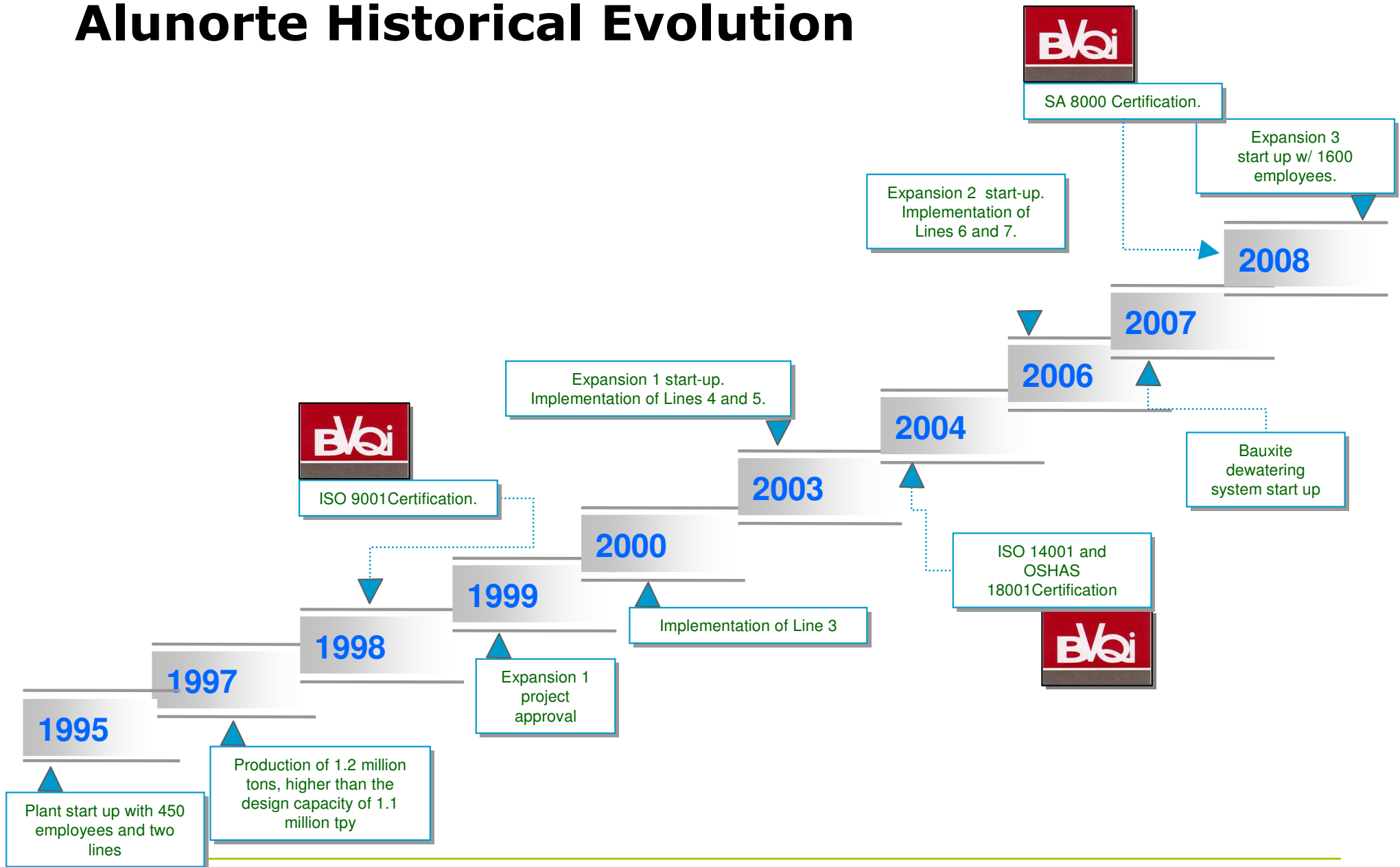
The 36 selected players (male and female teams), go to Oslo in order to participate the Norway Cup.

2011 – Best result – Silver Medal for the boys (Under 16), against K-ranba, from Rio de Janeiro.

Production Performance



Alunorte Historical Evolution



www.hydro.com