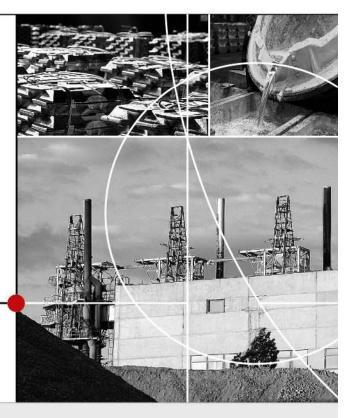


UC RUSAL

PAVING THE WAY TO A SAFER WORLD

GLOBAL INTIATIATIVE

Artem Volynets, Director, Corporate Strategy

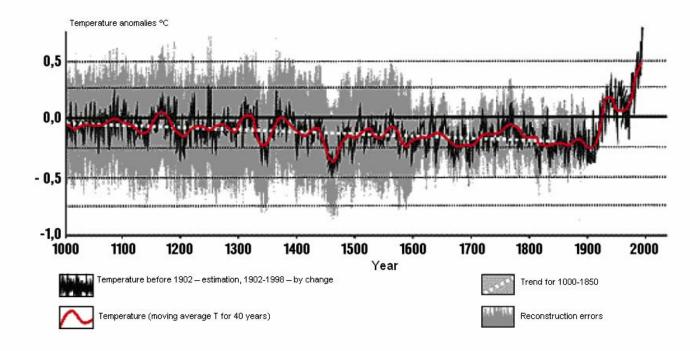


May 22, 2007



CLIMATE CHANGE REALITY

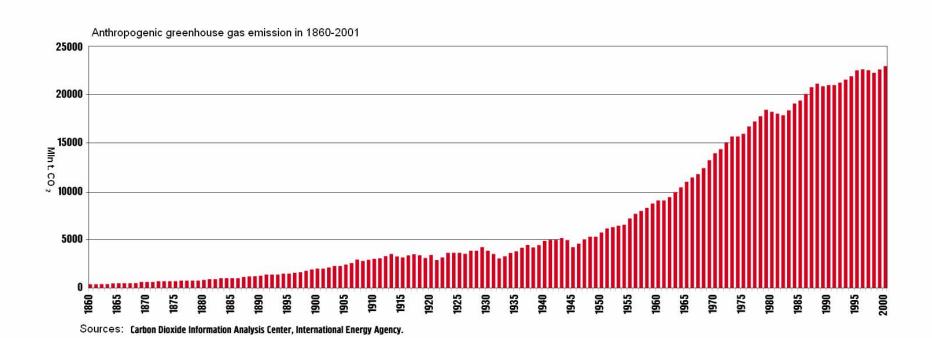
- Intergovernmental Panel on Climate Change (IPCC) concluded that the global warming is caused by the human activity for 90%.
- The situation will turn even more dramatic unless the greenhouse gas emissions are first stabilized and then reduced forecast of the IPCC.
- How to stop the global warming one of the main issues for governments and global majors.



GREENHOUSE GAS EMISSIONS – MAJOR CAUSE OF CLIMATE CHANGE



For the last 40 years greenhouse emissions have increased by 120%



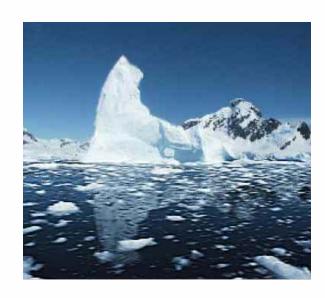
CONSEQUENCES OF THE CLIMATE CHANGE



- The number of hurricanes of 4 and 5 categories pounced on the Earth for the last 30 years has increased 2 times
- The intensity of the glacier ice shrinking in Greenland for the last 10 years has increased 2 times

This tendency will lead to:

- Double increase of mortality in 25 years that is 300 000 people a year
- Sea level uplift over 6 meters, loss of the ice shelves in Greenland and Antarctic
- Disappearance of ice in the Arctic ocean by 2050
- Extinction of more than million animal species all over the world by 2050





OUR CONCERN

Leadership means responsibility

- for the environment in the regions we operate in
- for high standards in environmental and industrial safety
- for those who are around us





THE GOAL OF OUR INITIATIVE

- To reduce direct greenhouse gas emissions by the company's existing smelters by 50% overall (2 times) by 2015
- To be carbon neutral over the long term as part of the full life-cycle use of our aluminium products
- To encourage Russian business jointly address the issue of climate change





CARBON NEUTRALITY

- Carbon neutrality is a position of zero net GHG emissions from any given activities
- Net position is calculated by taking total carbon emissions less reductions from action to reduce direct and indirect emissions less offsets.

Carbon neutrality is achieved by:

- reducing emissions by increasing energy efficiency
- using renewable energy, such as hydro-electricity
- using as offsets credits derived from emission abatement projects implemented under mandatory or voluntary emissions reduction schemes.





CLIMATE NEUTRALITY

Key strategic areas in **climate neutrality**:

- direct greenhouse gas emission reductions;
- lower energy consumption (with consequent improvement in indirect emissions from the production of non-hydro electricity)
- Increased recycling of metal
- "lightweighting" in transport applications i.e. substitution of aluminium for steel and other heavier materials





XXI CENTURY - THE CENTURY OF ALUMINIUM

- Aluminium is one of the most environmentally friendly metals
- Aluminium is easy to recycle and can be used over and over again
- The production of aluminium is one of the most safe in the metallurgy





OUR APPROACH TO THE ENVIRONMENT

- 80% of our aluminium is produced using hydropower, the most environmentally safe and renewable energy
- The use of hydropower means zero indirect emissions from the energy source
- Since 2000, over \$1 bln has been invested into environment protection activities
- In 2007-2013, over \$1.4 bln is planned for modernization programs aiming at environmental protection
- The amount of investments will be reconsidered after the end of technological audit of SUAL plants
- Expected result emissions reduction by almost 1.5 times by 2015.
- 80% of UC RUSAL's plants including Krasnoyarsk, Bratsk and Sayanogorsk aluminium smelters are certified in accordance with ISO 14001 environmental management standard.



NEXT STEPS

- Creation of our own energy base including the development additional hydropower sources
- By 2013 UC RUSAL plans to produce 140 bln kWh of power at its own generating facilities with hydropower projects as the basis of our strategy
- Active R&D to increase the aluminium production efficiency and reduce carbon dioxide emissions per tonne of aluminium produced
- Upgrading the current intensity of the production technology at Khakas, Boguchansk and Taishet Aluminium Smelters will ensure the reduction of GHG emission by 20% per tonne
- By 2012 we plan to develop an inert anode to minimize power consumption
- Annual R&D investment volume is over \$100 bln



NEXT STEPS

- Improvement of alumina production technology to reduce hazardous emissions
- Modernization of Soderberg technology to achieve GHG emission reduction by
 28%
- The leading position in consolidating the aluminium metal recycling industry
- Recycled aluminium uses 10% of the processing energy that primary aluminium requires
- The company expects to build market share in secondary aluminium production up to 50% by 2013



CALL FOR ACTION

- To withstand the threat of climate changes we need to join forces.
- UC RUSAL is working with the aluminium industry globally to achieve the 12 voluntary sustainability objectives developed by International Aluminium Institute under its Aluminium for Future Generations initiative.
- We are the first company in Russia signing a Memorandum of Understanding with the UN Development Programme regarding a preparatory projects towards the development of GHG emission reductions.
- We call Russian companies to join our initiative and press towards the minimization of climate changes threat.



JOIN OUR INITIATIVE

Russia, 109240, Moscow

Nikoloyamskaya str., 13/1

Tel.: +7 (495) 720-5170, 720-5171

Fax: +7 (495) 745-7046

www.rusal.ru