

Water for the World™

Contributing to realise Wat-San Human Rights

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Good practices consultation of
UN independent expert on water and sanitation

Lisbon, 04 November 2010



Borealis at a Glance

- Leading provider of chemical and innovative plastics solutions that create value for society
- More than 50 years of experience and technology leadership (Borstar®)
- 5,200 employees in over 20 countries; €4.7bn net sales; producing in 8 countries (EU, US, BR)
- Ownership 64% IPIC / 36% OMV
- Joint venture in Middle East and Asia: Borouge
- Committed to advance sustainability through Responsible Care®



Water for the World™

- Programme launched in October 2007 by Borealis and Borouge to contribute addressing the global water challenge
- Focus on
 - Access to fresh water and sanitation
 - Sustainable water management
 - Best-practices promotion
 - Awareness raising
- Projects delivered in partnerships with experts, local NGOs and our value chain.



Water and sanitation as human rights

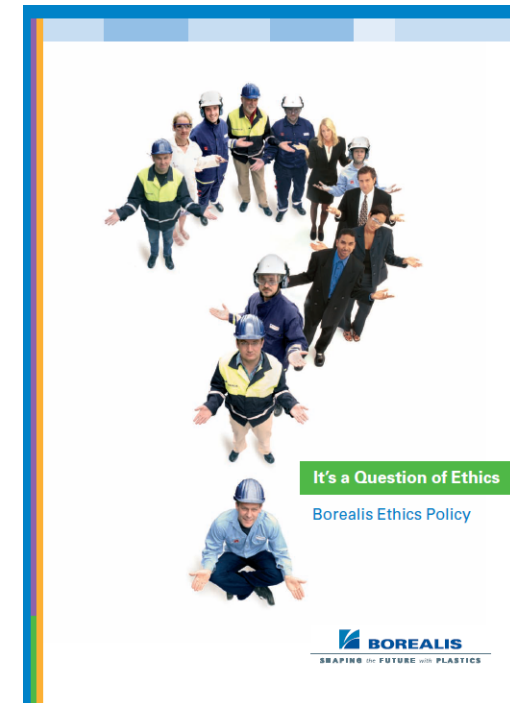
- We consider water and sanitation (Wat-San) as basic human rights
- Our business contribution to realising Wat-San rights builds on a three pillars approach

Respect to fulfil the rights
Protect to secure the rights
Leverage to realise the rights

Respecting

HR through ethics policy compliance

- Respect: a founding Borealis' value
- Ethics: one of the group's 10 governing policies
- HR specifically covered (child labour, right of expression, non-discrimination, incl. "basic rights")
- Mandatory compliance part of employees contract
- Implementation via
 - Ethics "ambassadors" in all departments
 - 2 to 3 years cycle training of all employees
 - 24/7 question line and case reporting



<http://www.borealisgroup.com/about/corporate-citizenship/ethics-policy/>

Protecting

Wat-San rights of our local communities



- Water risk mapping
- Footprint modelling / assessment
- Waste water treatment as per BAT
- Chemical stewardship and black-list



- Neutralisation of investments footprint in potential stressed areas
- Upgrading of community supply systems

Leveraging

Expertise and solutions for Wat-San rights

With W4W local projects

- *Building up value chain local partnerships to secure sustainable water access and sanitation*
- China
- India
- Middle-East
- Nepal
- Tanzania
- Vietnam

With international partners

- *Working with service providers and strengthening their capacity to deliver services to the urban poor*

- Bangladesh
- Ghana
- India
- Kenya
- Madagascar
- Mali
- Mozambique
- Zambia



<http://www.wsup.com/sharing/resources.htm>

Project example

Malkapur, India

→ 54 km of water mains to secure 24/7 supply in the rural community of Malkapur, State of Maharashtra, India.

Challenge

- Inadequate supply for 14 000 people out of 30 000
- Intermittent water distribution plagued with leak rates > 35%

Support

- Design advice and material engineering
- Project facilitation with Maharashtra Jeevan Pradhikaran
- Installation support and know-how transfer

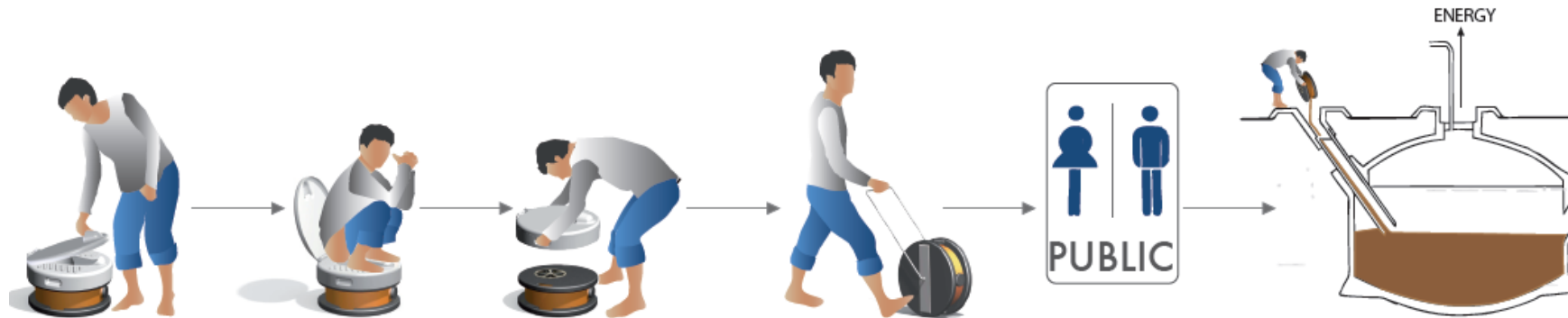
Outcome

- 100% coverage and capacity to handle population growth
- Continuous supply and leak rate < 5%



<http://www.waterfortheworld.net>

Project development



- ✓ Domestic accessibility
- ✓ Cultural acceptability
- ✓ Affordability (< 30USD)
- ✓ Safety (storage to disposal)
- ✓ Sustainability (social services)
- ✓ Potential impact: 500 000 households in New Delhi

Support

- Material engineering
- Design advice
- Kick-off funding
- Material supply and prototyping
- Research of value chain partners
- Pilot assessment

<http://xrunners.wordpress.com>


What have we learnt to further deploy good practices?

- Wat-San Human Rights are
 - Primarily a **local governance** issue,
 - Magnified by **sustainable cost-recovery** problems
- Their realisation also requires to address
 - **Awareness and know-how** gaps
 - Together with **water stewardship** needs
- Sustainable solutions exist
 - **Scalability and cost-efficiency** are key
 - Vast potential resides in bridging **social and technical** expertises

For more information

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- www.waterfortheworld.net
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End of presentation
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