



Sustainability Award

2016



Foreword

With the Sustainability Award, Antwerp Port Authority, the Left Bank Development Corporation and VOKA-Alfaport recognize projects that contribute towards the transition to a sustainable port. Before the summer we issued an invitation to all companies operating in the port to submit projects for consideration. We are particularly proud that 20 organisations submitted projects that make contributions in the fields of People, Planet, Prosperity, Peace and Partnership with the objective of achieving the Sustainable Development goals at local level. The specialist jury which included among others Jan Briers (governor of the province of East Flanders), Cathy Berx (governor of the province of Antwerp), Eva Geluk (Antwerp Management School), David Leyssens (The Shift), Kathleen Vandebroek (MVO Vlaanderen) and Peter Wollaert (CIFAL Flanders), chose four winners: BASF Antwerp, ECLUSE, Gyproc and Qpinch. Members of the general public were also permitted to vote for the winners of the first Sustainability Award. The winners are inscribed on a commemorative stone built into the Walk of Sustainability alongside the new Port House. I wish to congratulate all the companies that submitted projects and encourage them to continue setting up sustainable or innovative projects in future. I further hope that the invitation to submit projects for the second Sustainability Award in 2018 will attract yet more entries, and that we as the port of Antwerp will continue to lead the way in creating sustainable added value.

On behalf of the Jury,
Marc Van Peel
Alderman for the port

The winners

- | | | |
|---|--|----|
| 1 | BASF Antwerpen
Boost Ambition to a social Future | 6 |
| 2 | ECLUSE
1 district heating network
= 50 wind turbines | 8 |
| 3 | Gyproc
Cradle to cradle | 10 |
| 4 | Qpinch
Creating new industrial energy
from waste heat | 12 |



Sustainability keeps us moving

BASF Antwerpen

Boost Ambition to a social Future



With this social project BASF seeks to close the performance gap and combat social inequalities.

In collaboration with SD Worx, Karel de Grote High School and the City of Antwerp, BASF aims to facilitate the step towards higher education for "pioneer students," i.e. those who are the first in their family to attend higher education and who do not have a background to draw upon in this area. Figures show that fewer youngsters in this group go on to higher education and that those who do are more likely to drop out.

Jury citation The jury considers this to be a refreshing approach within the "People" segment. The collaboration with the City of Antwerp also provides the desired local basis which further contributes indirectly towards combating poverty. Moreover the project fits in well with the company's overall efforts towards sustainability.

Katrien DINGEMANS, HR business partner
katrien.dingemans@basf.com, www.basf.com





ECLUSE

1 district heating network = 50 wind turbines

ECLUSE
een sluis voor groene energie

This project aims to replace the current natural gas-based energy supply for large chemical companies with a district heating network set up by the network operator Infrac, thus reducing CO2 emissions by 100,000 tonnes per year. The energy for the heating network is produced by the waste-to-energy facilities operated by Indaver and its joint venture SLECO, in which six incinerators generate steam with a maximum capacity of around 250 MW.

Jury citation The jury considers this collaboration between several companies to be a fine example of how to tackle the global warming problem and contribute towards achieving the UN Sustainable Development Goals in the port of Antwerp.

Silvia COLAZZO, Communications Manager
silvia.colazzo@indaver.be, www.indaver.be



Gyproc

Cradle to cradle

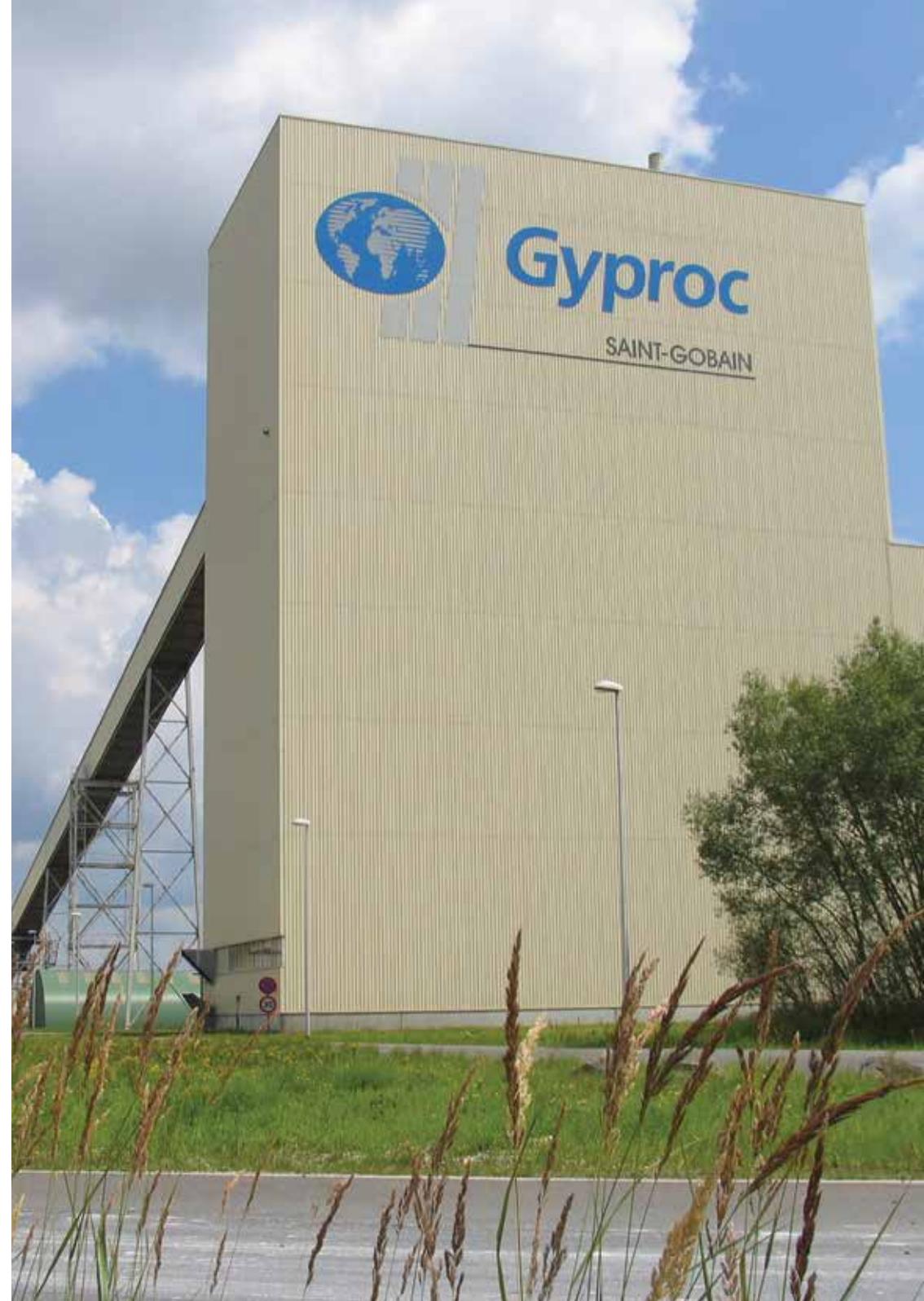


Making economical use of raw materials is a challenge for many companies. This "Cradle-to-cradle" project is aimed squarely at the circular economy, seeking to produce plasterboard that can be 100% recycled.

Gyproc is an international pioneer in this area. Since 2011 it has been supported in its sustainability efforts by the C2C Product Innovation Institute and also has C2C certification.

Jury citation This project is a textbook example of the circular economy which moreover is implemented at international level. The jury particularly appreciates how with this project Gyproc is able to make the entire supply chain more sustainable, by making use of barge transport along with innovations in energy efficiency, implementation of new technologies and paying attention to health.

Tom ROMMENS, Sustainability Manager
tom.rommens@saint-gobain.com, www.gyproc.be





Qpinch

Creating new industrial energy from waste heat



Within port industry a great deal of energy is lost in the form of waste heat. Qpinch has developed a solution for recovering a significant fraction of this in an efficient way.

Within the port of Antwerp Qpinch is able to produce more than 200 MW of steam from the waste heat available. This represents annual savings of 50 million euros and 350,000 tonnes of CO₂, equivalent to the emissions from 250,000 cars. Efficiency gains of this magnitude not only help to secure our industry but also make a significant contribution towards Flanders achieving its climate objectives.

Jury citation The jury considers the project to be a game changer and is convinced that this innovation can pioneer the way towards raising energy efficiency in an industrial setting. This Flemish project is welcomed by the jury as being revolutionary, innovative and disruptive. The jury expresses its great admiration for a bold company that resolutely takes on a new challenge, once more underlining the importance of innovative projects within the port.

Wouter DUCHEYNE, CEO en co-founder
info@qpinch.com, www.qpinch.com





Sustainability keeps us moving

De deelnemers

1	Ahlers	16
2	B Logistics	16
3	Borealis Kallo	17
4	DEME	17
5	DP World	18
6	Induss	18
7	ITC Rubis Terminal	19
8	Luiknatie Coldstore	19
9	Monsanto Europe	20
10	Nedcargo Multimodal	20
11	PSA Antwerp-MPET-ATS	21
12	SGS Belgium nv	21
13	Shipit nv	22
14	Subsea Industries nv	22
15	VEA	23
16	Zuidnatie	23

1 Ahlers Strategic repositioning as sustainability supplier

By making clever use of "Big Data" and working with state-of-the-art software tools, Ahlers enables its customers to streamline their supply chain and make it more cost-efficient, as well as improving service levels and lowering their carbon footprint.

Eefje MORREN, eefje.morren@ahlers.com



2 B Logistics E-drivers

"E-drivers" are train drivers who act as ambassadors for eco-driving, drawing on their practical experience to persuade other colleagues to drive in a similar way. Thanks to various practical tips the energy consumption of locomotives can be reduced by 20% while improving safety at the same time.

Laurent JOSEPH, laurent.joseph@blogistics.be



3 Borealis Kallo Construction of three wind turbines

In collaboration with Wind aan de Stroom ("Wind on the river") Borealis Kallo was able to build three wind turbines without making any sacrifices in terms of security of supply or production reliability. The wind energy produced is used by the company itself and helps to reduce its CO2 emissions.

Manuel DE TEY, manuel.detey@borealisgroup.com



4 DEME The fleet of the future

DEME attaches a great deal of importance to the sustainability of its operational processes. To this end it is equipping its fleet with innovative green techniques for higher fuel efficiency, with improved productivity and environmental performance as a result. DEME is currently building the world's first-ever dredger powered by LNG.

Marc HUYGENS, huygens.marc@deme-group.com



5 DP World Go Green!

As part of its "Go Green!" campaign DP World introduced the "Clean up the world" and "Plant a tree" initiatives in 2015, based on the principles of "reuse and recycle," "climate" and "community." Special efforts are being put into raising awareness among employees and their family members.

Suzanne KWANTEN, suzanne.kwanten@dpworld.com



6 Induss Sustainable water management for the chemical and petrochemical industry

By centralising the production of demineralised water for the chemical and petrochemical industry Induss is able to make savings of up to 20% on water, chemicals and energy consumption. This is achieved by focusing on the best available technologies and creating added value both for customers and for the region.

Ellen THEEUWES, let.maesen@induss.eu



18 Sustainability Award 2016

7 ITC Rubis Terminal On & off site

Art and industry go hand-in-hand in this project. The photographic exhibition on the ITC Rubis tank terminal helps to raise awareness among employees and focus attention on industry. Transparency through art: a fine example with a successful result in more than one area.

Pascal DE MAEIJER, pascal.de.maeijer@itcrubis.com



8 Luiknatie Coldstore Smart wind turbine

In collaboration with Wind aan de Stroom ("Wind on the river") Luiknatie has built a "smart wind turbine" on its site. The energy produced is used to power its cold store directly. By using innovative technology the company is able to save on energy consumption, thus making new investments possible.

Stefaan VERHELST, stefaan.verhelst@luiknatie.be



Port of Antwerp 19

9 Monsanto Europe Lower carbon footprint

Correct processing of sludge from water purification is essential for sustainable operation. By investing in R&D in collaboration with the Catholic University of Leuven, Monsanto was able to make a substantial contribution towards the ecological efficiency of sludge processing, thus also reducing the carbon footprint of the purification process.

Bart PEETERS, bart.peeters@monsanto.com



10 Nedcargo Multimodal More sustainable barge operation

By using the latest techniques for pre-stowing and post-handling, Nedcargo in collaboration with shippers and customers is able to ensure that its new barges already comply with the very strictest emissions standards that may be introduced in future. It also uses environment-friendly fuels (biodiesel and hydrogen) for its existing barges.

Bert VAN GRIEKEN, b.vangrieken@nedcargo.com



11 PSA Antwerp-MPET-ATS Using rainwater for cleaning

PSA Antwerp-MPET and ATS have undertaken to drastically reduce their water consumption. In particular they no longer use precious drinking water for cleaning their straddle carriers; instead they have invested in additional storage capacity for rainwater. This will eventually result in a total capacity of 300,000 litres or even more.

Ronny DEROEFF, ronny.deroef@antwerpterminals.be



12 SGS Belgium nv Energy optimisation by free cooling

In order to reduce its energy consumption for cooling buildings and processes, SGS Belgium has replaced its aging coolers with energy-saving models. By opting for hybrid free cooling and optimising the cooling processes it hopes to reduce its energy consumption by 250 MW per year.

Jan VERDONCK, jan.verdonck@sgs.com



13 Shipit nv

Sustainable freight transport

Shipit uses barges as a sustainable mode of transport both for large freight volumes and for smaller volumes of palletised freight sent to and from the port of Antwerp. The pallets can be carried to the port by water for interim storage or stuffing in containers at the Container Freight Station that is linked to the multimodal terminal.

Jan GODERIS, jan.goderis@shipit.be



14 Subsea Industries nv

Non-toxic underwater hull coating systems

Subsea Industries is a leading innovator in the field of hull coating systems. After Ecospeed, Ecoshield and Ecolock, in 2016 it also introduced Ecofix. All the systems are free of heavy metals or other toxic substances and moreover are cost-effective and save fuel.

Manuel HOF, mhof@hydrex.be



15 VEA

Your sustainable logistics solution

In September 2016 VEA (Antwerp Forwarders' Association) and VIL (Flemish Logistics Institute) got together with a first group of seven forwarding companies to set up a Lean & Green programme aimed at reducing CO2 emissions from the supply chain by 20% within a five-year period. This will be achieved by focusing on the companies' own internal operations as well as the supply chain as a whole.

Olivier SCHOENMAECKERS, olivier.schoenmaeckers@vea-ceb.be



16 Zuidnatie

Sustainable transport and modal shift

Zuidnatie is taking various internal and external measures aimed at optimising its operating processes so as to further improve its sustainable business policies. In addition to focusing on a sustainable procurement policy, attention is being paid to consumption of energy and raw materials while at the same time pursuing a modal shift from road to barge transport.

Fernanda VAN OPSTAL, fernanda.vanopstal@zuidnatie.be



ANTWERP PORT AUTHORITY

Port House
Zaha Hadidplein 1
2030 Antwerp
Belgium
T +32 3 205 20 11
F +32 3 205 20 28
E info@portofantwerp.com
www.portofantwerp.com
www.duurzamehavenvanantwerpen.be

COLOPHON

Responsible editor
Havenbedrijf Antwerpen NV
van Publiek recht
Zaha Hadidplein 1, 2030 Antwerpen

November 2016
102211