

SUMMARY OF PRESENTATION

Energy Transition & Circular Economy in the Port of Amsterdam

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A sustainable future for the port of Amsterdam calls for action and changes

Port of Amsterdam seeks to contribute to a sustainable world for current and future generations in the region, the business community and shipping.

The strategy is one of sustainable growth, ensuring that we will be among the leading sustainable ports in Europe by 2030: economically strong, with a good competitive position and a focus on the environment (both the natural environment and our living environment) and society. We do this, for example, by establishing programmes aimed at improving the quality of life, promoting the use of biofuels, promoting solar and wind energy, participation in hydrogen-projects and providing alternatives for cleaner shipping.

Together with our customers (partners) we started the transition towards a sustainable future via four roadmaps: Energy transition, Circular Economy, Digitisation and Logistics & Accessibility. At this moment the port of Amsterdam is highly dependent on fossil fuels; and as the transition to a circular economy is fortunately unavoidable, new and innovative companies in the recycling industry are supported and welcomed in our port to accelerate this process and help the energy transition. In the plastic recycling two good examples of new and innovative companies in our port can be mentioned:

1: Plastic Recycling Amsterdam, a factory using Magnetic Density Separation (MDS): a special technology that makes recycling mixed plastic wastes a lot more efficient. The plastic waste is washed and ground into smaller particles. The mix of different types of plastic will be separated into 5 different types of plastic, by the MDS technology in one step. These types have a purity of up to > 99%. The quality of the end result is a close match to new plastic and is therefore reusable for new products.

2: Integrated green Energy Solutions (IGES). IGES's plastic to fuel plant in Amsterdam will convert unrecyclable, end-of-life plastics into highly scalable and premium quality fuels. The production of the fuel emits 80% less CO₂ compared to production of conventional petroleum based diesel. IGES has won the prestigious International Association of Ports and Harbors ("IAPH") World Ports Sustainability Awards in 2019.