



THE 9TH ANNUAL  
INTERNATIONAL EXPERTS' CONFERENCE  
**ENVIROMANAGEMENT**  
**SUSTAINABLE WASTE MANAGEMENT 2018**

**RECYCLING • PLASTIC WASTE • BIO-WASTE • ECONOMY**

OCTOBER 11-12, 2018

HOTEL PATRIA\*\*\*\*, ŠTRBSKÉ PLESO, VYSOKÉ TATRY, SLOVAKIA



**LECTURER**

**Dipl.-Ing. Dirk Lindenau**

CEO and Chairman

Lindenau Maritime Engineering & Projecting

Altenholz

Germany



**PRESENTATION**

[The MPS-System a ship based plastic litter management system](#)

[The MPS-System a ship based plastic litter management system](#)

**KEY WORDS**

Background facts about global marine litter, Why enters so much litter into the oceans? Technical solutions, Integration of local fishers, from fishing to maximum use of plastic litter, Capex, Opex, Financial plan

**ANNOTATION**

Plastic garbage in the seas is the result of a bad waste management system ashore. The global waste problem and their catastrophic consequences for oceans and seas: 60 percent of all countries of this world cannot afford a modern sustainable waste management. Therefore at least 11 million tons plastic waste arrive annually by wind and rain and partially also deliberately in our oceans and seas. And plasticwaste arrived for a long time in the food chain of humans and not yet predictable health consequences. And if we do not react now globally, then up to the year 2050 more plastic will be in our oceans and seas than fish. „With ships against the plastic catastrophe in the Ocean“ The aim of the MPS network is to found a non-profit-company, to develop an innovative system solution for all countries being affected by plastic waste (192 target countries) and to offer it in the frame of a Public Private-Partnership – Operation System (PPP). With this strategical direction of an industrial research is planned to realize a worldwide new product with three product innovations (time and tracking procedure for the identification of the best fishing areas at point sources of macro plastic). Development of special appliances for fishing plastic considering minimum bycatch and development of a salvage and processing technique for the preprocessing of macro plastic fished from the Sea. Another aim is to develop a modular system based on international marketing and a special PPP-concept which can be tailor-made for all 192 target countries by adapting local parameters in order to be able to offer a financeable overall system.

## LECTURER'S PROFILE

Dipl.-Ing. Dirk Lindenau 37 years of experience in the shipbuilding industry Dirk Lindenau was born 1953 in the city of Kiel. He studied mechanical engineering. His shipbuilding carrier started in the family owned Lindenau shipyard, Kiel, Germany in 1981. Lindenau Shipyard was founded by his grandfather Paul Lindenau in 1919. Lindenau became CEO and owner of "Lindenau Werft" (shipyard) until 2009. During his activities more than 91 Dipl.-Ing. Dirk Lindenau 37 years of experience in the shipbuilding industry Dirk Lindenau was born 1953 in the city of Kiel. He studied mechanical engineering. His shipbuilding carrier started in the family owned Lindenau shipyard, Kiel, Germany in 1981. Lindenau Shipyard was founded by his grandfather Paul Lindenau in 1919. Lindenau became CEO and owner of "Lindenau Werft" (shipyard) until 2009. During his activities more than 91 special ships have been designed, built and delivered. 17 of them received international awards because of their outstanding environmental, economic and safe state of the art setting technologies. Since 2009 CEO and owner of "Lindenau Maritime Industry Consultants, (Lindenau MIC)" and "Lindenau Maritime Engineering & Projecting (LME&P)"

## ORGANIZATION'S PROFILE

Lindenau Engineering & Projecting Kiel, Germany LME&P is mainly involved in the following business fields: energy efficiency, renewable energy: key turn projects for small islands. Alternative fuel projects for the maritime industry as well as new maritime protection system developments such as the Lindenau -WRS-System. Lindenau is working together with team of experts from the Maritime industry, the environmental industry, research institutes, universities, banks and investors.