

Integrated **f**ish **f**arming as a new Offshore **Business expansion**

Introduction

The Offshore Wind Industry represents a strongly emerging market, which is facing different hurdles. To reach a higher offshore profitability new solutions need to be developed as an integrated concept model. In fact the use of synergies between different industries, will enable the operators to expand the existing Business and to combine the possibilities of existing Offshore facilities.

Offshore-fish farming could be a new ecological chance for the fishing industry combining their interest with the offshore industry.

Main concern of abstract

is to analyze the different pros and contras of the different business partners involved. It will be clarified which aspects and steps in the different industries will lead to a higher operability, and that advantages for the fishers finally result in lower costs for both sides.

Study outcome

is based on professional experience and cooperation with the Offshore industry and contacts to maritime fishing industries.

Approach

With this Concept we can create synergies and prove the primary ecological sustainability. The merging of interests of two different maritime industries on the national economy and its impact will be analyzed.

We show:

- The useful interconnection between maritime industries to increase the effectiveness of maritime Business.
- That the relationship between different business portfolios of maritime industries can have some positive effects to the national economy.
- Selected risk – cost analysis, related to real life offshore cases, will elucidate the actual situation in the wind industry and the possible efficiency, realized with existing data from existing fish farming transfer into the offshore wind industry.
- That fish farming in offshore wind parks can increase the operability of both industries, using cost models with inclusion of anonymized validated data.

- Real life offshore examples and the (financial) influences on the long term, for selected possible prototype models combining financial interests and environmentalism.
- techniques for cost reduction - industrial crossover development - by using existing techniques or equipment for creating a new environmentalism Business Sector called " OFFshore FISHFARMING"
- Selected methods for the optimization of automatic feeding systems to increase the efficiency, to reduce the service, maintenance and personal presence and finally turning it into a maintenance-free fish farming offshore system.
- That the environmental pollution of existing fish farming concepts near to the coast can be reduced with a change to offshore fish farming.
- We show the expected advantage to the environment.
- We will show the pros and contras between the existing and future concepts of fish farming realized with technical examples and studies.

Conclusion:

Summarizing we will present detailed facts pros and contras, always focused on the possibilities of maritime business expansion, networking and maritime consolidation. It will be clarified that many of the present in operation offshore parks have the possibilities to expand into an offshore fish farm.

Learning objectives:

Several aspects and data content of existing FISHFARMING Concepts will be presented, to finally clarify for the audience, that fish farming in offshore wind farms will be feasible. As a result, the maintenance of environmental fish biospheres is a solution of interconnection between maritime industries to the interest of following human generations.

Brief biography:

Mr. Andreas Grabow has ever since been highly motivated to participate in developing the offshore wind potentials. He still works self-employed on offshore concepts and digital solutions for automation and inspection. For his contracting authorities of the offshore industry Mr. Grabow also works on scientific range of subjects. His slogan; Only Imagination is a real frontier.