

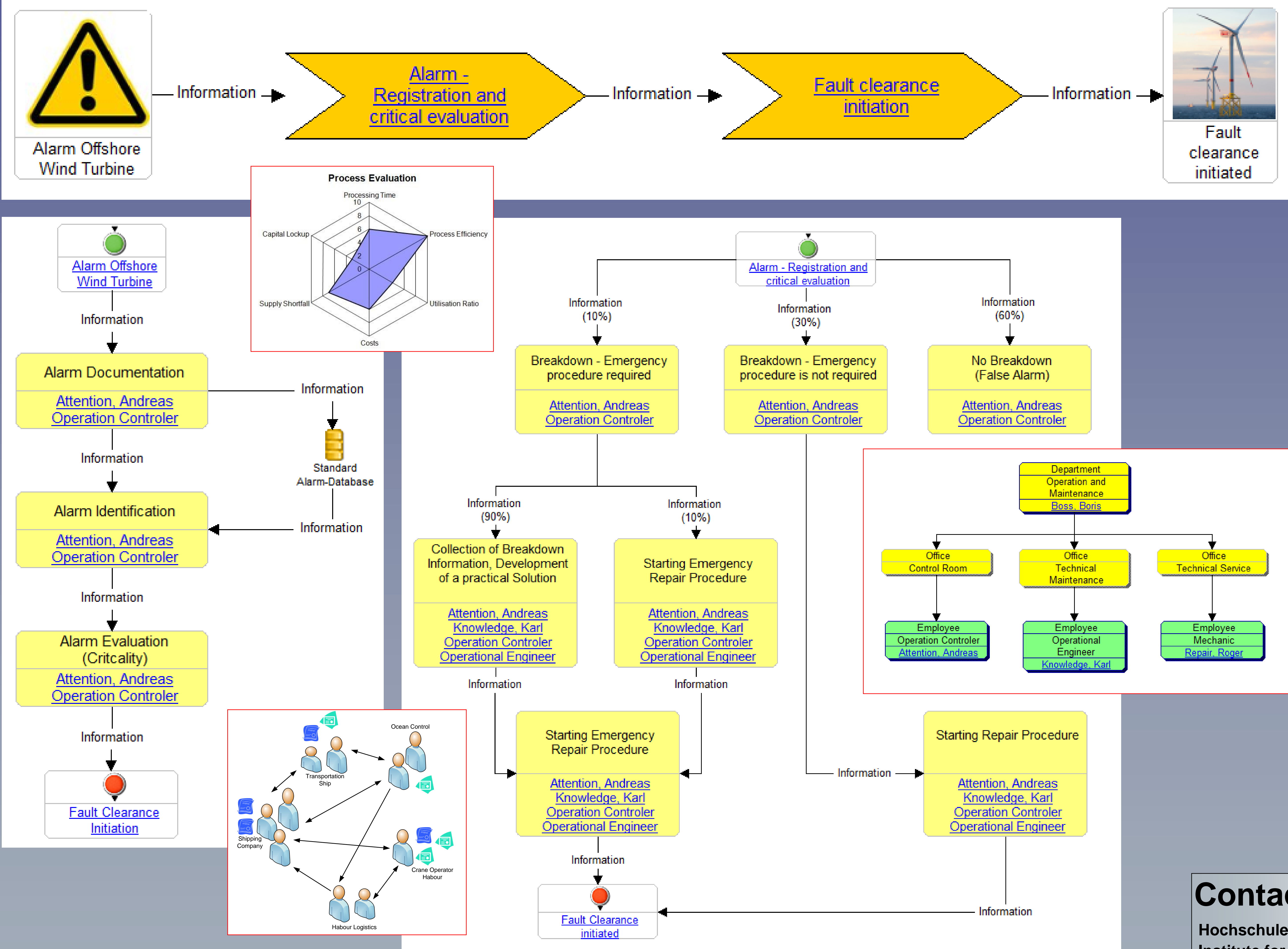
Methodological Approach for a systematic Analysis, Evaluation and Optimization of Operation and Maintenance Processes within an Offshore Wind Farm

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Introduction

SystOp Offshore Wind is a research project that focuses on the optimization of Operation and Maintenance - Processes (O&M) within an Offshore Wind Farm. Therefore, an integrated methodological approach was developed to analyze the companies, workflows, interfaces and persons involved in an Offshore Wind Farm. Based on that concept the whole "Offshore Wind Farm System" undergoes a risk analysis with a further simulation of important parts. Following, a value-chain with defined standardized processes comparable to the automotive sector will be developed and implemented.

Methodological Approach



Results

- ⇒ Integrated O&M – Process-Map
- ⇒ Identification of high-risk processes
- ⇒ Cost reduction / Increased safety precautions (HSE)
- ⇒ Catalogue of countermeasures for optimized/standardized processes

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