



# Tailored spare parts management concepts translated into a tool

A practical solution covering all Fugro requirements

Managing spare parts can be quite complex. A different approach is required for each type of spare part. Moreover, spare parts strategies depend on business specific dynamics, such as the maritime characteristics in the case of Fugro. Together Fugro and Gordian took the challenge to match these strategies with the Fugro environment. Fugro is a Dutch company that provides geotechnical, survey, subsea, and geoscience services. It provides clients with technical details and information to help them build and maintain their infrastructure. This project resulted in a more mature and sustainable organization that Fugro is today.



## Step by step towards professionalisation

At the time of writing Fugro was in the middle of a professionalisation process. The fleet had been standardised which for instance created opportunities for parts pooling. To further professionalise the maintenance and logistics processes Fugro wondered what planning concepts of spare parts management would suit the company the best. Which spare parts, how many, where to stock them? Finally, the challenge resulted in the translation of these planning concepts into decision models and implementation into a spare parts management tool.



## Active partnership

The ambition from Fugro was not only to understand the solution but also to understand the underlying models of the solution. Therefore Fugro employees actively participated in the project. The project was split up as follows:

1. Quick scan: align situation and processes of Fugro.
2. Bring Fugro "up to speed" with spare parts management processes and models (by means of training).
3. Jointly formulate planning concepts that fit in the vision and strategy of Fugro.
4. Develop and implement a spare parts management tool.
5. Support in the change process.

Gordian and Fugro achieved the required change in a joint team consisting of spare parts management experts from Gordian as well as seasoned business experts from Fugro.



## Well thought out and guaranteed supply decisions

The decision, with respect to the size and type of inventory within Fugro, was often influenced by personal experiences. Supported by Gordian, Fugro developed new planning concepts for the various types of spare parts. These planning concepts were included in an effective spare parts planning tool and supported Fugro in their future decision-making.

Gordian helped Fugro in the change process and helped making agreements between ship managers to allocate inventories. Moreover the need for proper part issue registration became clear and material lists for preventive maintenance were cleaned. Fugro now matches her vision and strategy with its underlying principles in spare parts management and is able to continue as a sustainable organisation.



*"Fugro was looking for an expert to translate theory into a practical application in the very specific area of spare parts management in maritime environments."*

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