


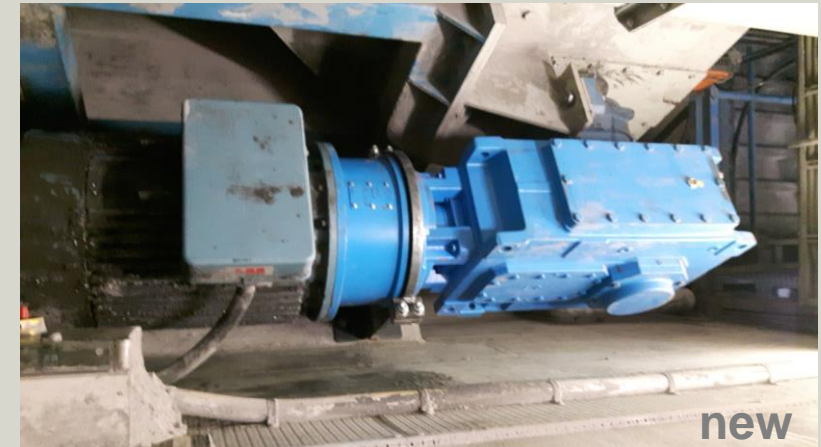
Quick and reliable retrofit for the obsolete gear unit at Aalborg Portland, the world's largest producer & exporter of white cement

SIEMENS

Customer profile	<ul style="list-style-type: none"> Aalborg Portland A/S, Denmark Aalborg Portland is the world's largest producer and exporter of white cement with production units in Denmark, China, Egypt, Malaysia, and USA. Aalborg Portland produces more than 1.5 million tonnes of white cement and has sales and distribution offices in a number of countries around the world. More information: http://www.aalborgportland.dk/ 
Project information	<ul style="list-style-type: none"> On January 18th, 2017 customer reported an unscheduled equipment standstill
Customer objectives	<ul style="list-style-type: none"> Due to the conveyor shutdown, customer needed a replacement gear unit as soon as possible in order to shorten the equipment standstill. The conveyor is used for ships unloading that is involved in the process of transporting raw material to the cement plant
Siemens' solution	<p>Retrofit: Mature REDUREX replaced with state of the art FZG gear unit</p> <ul style="list-style-type: none"> FZG gear unit with special output shaft fitting with the working machine Specially designed motor connection A proper FZG replacement gear unit was selected by using a new Gear Unit Retrofit Configurator Tool based on the parameters of the mature REDUREX
Customer value	<ul style="list-style-type: none"> Production and delivery of the replacement FZG gear unit within 9 working days after equipment standstill was reported (Delivery time for one-to-one replacement REDUREX gear unit would be 6 months) Mature REDUREX gear unit was replaced by state of the art FZG gear unit Reduced maintenance costs thanks to improved availability of state of the art spare parts Equipment availability on state of the art technology



REDUREX



FZG

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Customer challenges, caused by unscheduled equipment stoppage

1. Replacement gear unit needed as soon as possible to reduce equipment standstill

2. Standard delivery time of one-to-one replacement REDUREX is 6 months

3. Plug and play solution needed



Product / solutions

1. Production and delivery of replacement FZG within 9 working days after order entry

2. Suitable FZG retrofit solution using new Gear Unit Retrofit Configurator Tool

3. Special output shaft design fitting with the working machine and a new connection to existing motor



Customer benefits

1. Considerably reduced down time of the production at customer's site

2. Improved equipment availability and spare parts support thanks to state of the art FZG gear unit

3. Immediate commissioning at the day of arrival