

CASE STUDY

BY MERSEN

NOVEMBER 2023

MAINTENANCE MADE EASIER AND SAFER
AT RESOLUTE FOREST PRODUCTS IN MONTREAL, QUEBEC



WHO IS THE CUSTOMER?

Resolute Forest Products is a leading producer of a diverse range of wood, pulp, tissue and paper products. The company operates some 40 facilities, as well as power generation assets, in the United States and Canada.

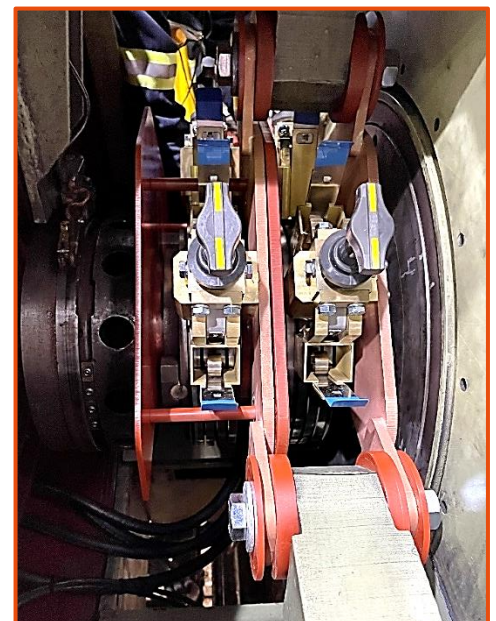
THE ISSUE IN SHORT

Our customer's ASEA 33 MVA turbo generator provides electricity for much of the factory. When the workers must perform basic maintenance such as a brush change, they need to stop the generator and therefore **shutdown much of their production**. That kind of intervention can quickly become expensive when calculating **production loss**.

MERSEN'S PLUG SETS ARE THE SOLUTION



The customer's turbo generator



Equipped with the
Mersen's solution

Mersen responded to this problem by developing a custom solution that now allows this customer to self-perform a carbon brush change or inspection **without having to stop the generator in a complete safe manner**

MERSEN PROPERTY

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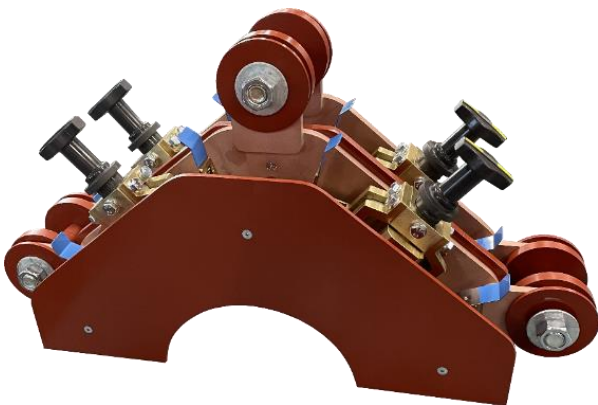
THE MERSEN'S +

The Mersen technician representative took the time to listen to the customer and understand the different problems they experience. They then proposed a custom solution that suits their real needs.

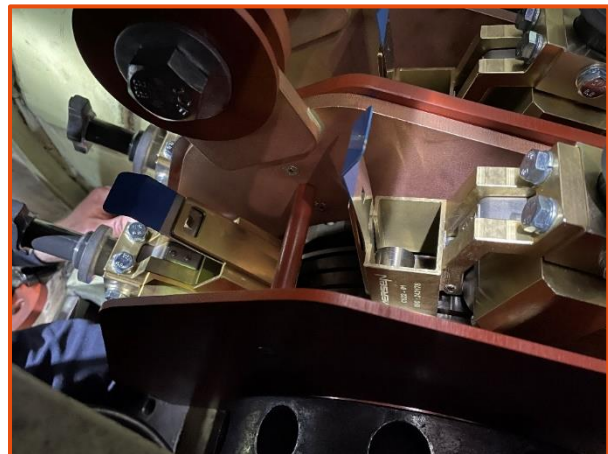
SAFETY MATTERS TOO!

The **safety** aspect was the main objective throughout the whole project.

Only a 90° twist of an insulated handle using one hand is now required to perform the carbon brush change safely. A specific guard also has been designed for the safety of the technician performing the work while the turbo generator is still producing.



3D plug set view



Detail of the plug set

SUCCESSFUL ACTION

Mersen's plug sets ensure a perfect contact between the rings and the carbon brushes at very high speeds and enable safe brush replacement (when used with the required PPE).

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