

# Optimisation platform for shutdown maintenance scheduling



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## Virtual - Researchers Catch-up

To maintain the assets, regular shutdowns are often required. Shutdowns provide opportunities to complete important maintenance activities that can only be performed when the asset is not in operation.

Due to production requirements, an asset cannot be turned off for a long period of time and minimising the outage duration is always beneficial. However, there is a major trade-off between minimising the outage duration and minimising the maintenance costs and resources. Therefore, an optimised shutdown requires planning the maintenance activities and organising resources, tools and parts in advance. This is a major challenge because the situation often changes on a daily basis, with maintenance priorities shifting and new maintenance activities emerging. For these reasons, having a dynamic optimisation platform to help the managers and schedulers easily generate optimal shutdown schedules under different conditions to assist their decisions is highly desired.

In this presentation, Hoa Bui will demonstrate the current scheduling software for optimising shutdown schedules developed by Research Theme 3 and Translation Theme 5.