

# Schedulering för Produktionsoptimering

2015 — 2017

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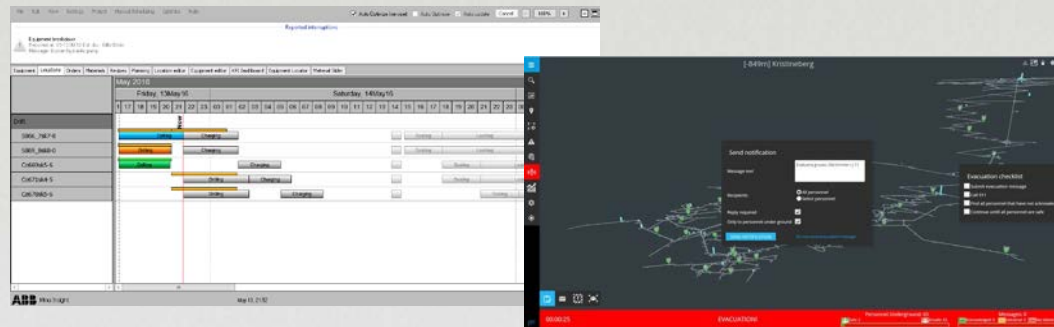
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# Syfte & Mål

*The project aims to build and demonstrate a working prototype of a tool, designed to coordinate real-time information and actions of mining processes, to optimize the scheduling of resources used in mining.*



- Better utilization of resources (staff & equipment)
- Less unplanned stops in production through early rescheduling
- Proper response to unplanned operation requirements
- Preventive management of real-time delays & scheduling conflicts
- Less traffic in heavily used areas (safety & energy)



- More continuous processes
- Increased resource efficiency
- More energy-efficient extraction
- Less person hours per ton

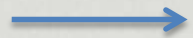
# Resultat hittills

- A first version of the Tool and an optimization algorithm has been developed.
- Trials and demo of the Tools ability to reschedule has been executed.
- A mine-specific optimization algorithm is in the end of its development phase.

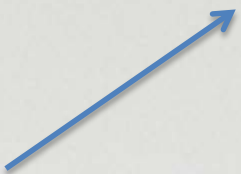


# Kommande aktiviteter 2016

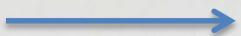
Develop visionary work- & information flow.



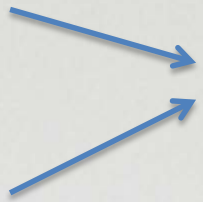
Simulate the optimization achieved with the Tool and analyse the effects of an optimized scheduling process.



Connect the scheduler with a simulator



Testrun the tool with situations that a mining operation could experience based on simulation



Present results on two international conferences

