

DIGITISED PRECISION PROJECT SCHEDULING

Belfast Digital Mine, Mpumalanga, South Africa

PROJECT TYPE: Digitised Precision Project Scheduling

CLIENT:

Exarro

PROJECT DESCRIPTION:

Aim: To build the Exarro Digital Mine Mega-project on time and within budget.

DELIVERABLES: Constructing four major dams, 26 concrete platforms and terraces, 37 internal roads of 16 km in length, and the upgrade of almost 13 km of provincial roads, among other aspects of the mine. Various structures around the dams were to be installed, including large silt traps, drying beds, inflow chutes to prevent scouring, and spillways and sumps.

PROJECT PLANNING SOLUTION: Digitised precision scheduling and planning.

- **Establish and agree upon a realistic dates:**
- **Shorten the schedule with concurrent tasking:** Identify interdependent tasks. Some of these tasks may float, meaning that they can be performed within a larger time window. Others when taken in sequence create the shortest possible construction duration, known as the critical path. Having established these accurately, Concor could perform program tasks that do not depend on one another. This technique is a great strategy for ensuring that non-critical path tasks do not end up affecting the schedule.
- **Help verify claims:** Accurate record keeping and end goals for acceptance.
- **Keep track of changes and variations:**

RESULT:

Megaproject delivered to client within budget and ahead of initial schedule allowing mineral production to begin earlier than planned.



