

CASE STUDY

Monitoring of Xanthates level, temperature and flow for improved safety



RESULTS

- Live monitoring ensures possible temperature related hazards are monitored
- Eliminated reliance on end users providing last minute stock re-orders
- Satisfied mine site safety requirements
- Improved logistics planning and cost reductions
- OH&S risk reduction

APPLICATION

Live monitoring of Xanthate levels, flow, and temperature at a remote mine-site in WA

CUSTOMER

A supplier of Xanthates and other specialty mining chemicals for mine-site processing

CHALLENGE

Xanthates are one of the most used mining reagents by volume. They pose a significant safety risk if not handled and stored correctly. The supplier wished to be able to monitor all processes involved in the supply and storage of its Xanthate material. They needed to be able to instantly see the current inlet, outlet and coolant temperatures to ensure they were within safe operating limits and also be able to see a live reading of the product level within the storage vessel.

SOLUTION

Tanktel provided their standard remote terminal units (RTU's) that had sufficient inputs to be connected to existing level sensors and temperature probes on the storage vessel. This enabled live access to the information via our secured web dashboard.

CASE STUDY

Monitoring of Xanthates level, temperature and flow for improved safety and logistics planning

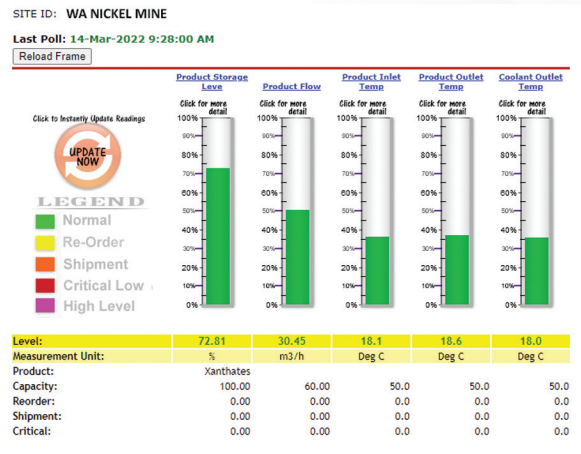


SOLUTION cont..

Having access to live data allowed the supplier to view daily, weekly or monthly trends to enable a better understanding of the customer's usage and plan optimal deliveries. It also estimated the time until empty based on current usage. Importantly, it allowed the supplier to keep monitor important temperature controls for the product. Having reduced deliveries to site also had the added benefit of less human interaction with potentially hazardous chemicals at each site and thus having a positive effect on OH&S.

Tanktel monitors thousands of bulk storage tanks and silos throughout Australia & New Zealand.

Minesites can benefit from allowing suppliers access to levels which will not only assist the supplier, but also the client. Everyone wants to reduce costs and get a better ROI. Tanktel can help with the logistics component of bulk chemical, oil & fuel storage by helping to lower costs due to more efficient freight route planning and improve OH&S aspects of dangerous chemical handling.



Miners rely on a continuous supply of raw materials to keep their operations running at optimal levels. Allowing suppliers of raw materials to remotely monitor bulk tanks or silos of a mine site ensures scheduled deliveries are always made before materials run out, and in a timely manner that is beneficial to both the supplier and end user. With real time LIVE monitoring, you can be assured that you will have the latest available levels.

Tanktel monitoring is hugely beneficial for logistics planning and has the potential to save many 1000's of dollars with forward planning. Initially developed for tanks & silos it now monitors many other critical processes such as flow, temperature and process status.