

DataCloud digitally transformed operator input to streamline reporting for a remote underground mine.

FieldPortal, our mobile reporting application, mimics the mine site's old paper forms for a smooth transition.

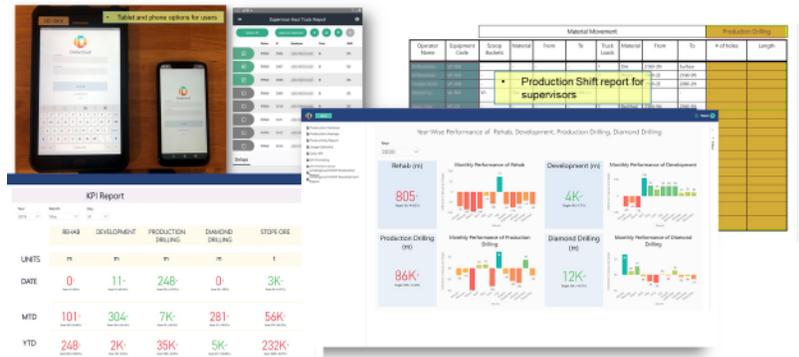
## CHALLENGE

- Daily production data was collected on paper forms due to concerns about limited connectivity underground
- Manual data entry for reporting and analysis was time-consuming and subject to errors
- Operator data was siloed from a central database and was difficult to integrate into other software

## SOLUTION

- FieldPortal continues collecting operator input when there is no internet available and uploads data to the cloud when near a Wi-Fi hotspot
- FieldPortal streamlines operator input and reporting to save crew members hours of work a day
- Pre-programmed data fields, drop-down lists, and real-time entry validation checks improve accuracy
- Custom-developed features look like old paper forms for an easier adoption
- Operator reports are automatically analyzed after each shift and sent to crew members immediately
- Works in tandem with MinePortal, and other software, to update models and dashboards





## DIGITIZING OPERATOR INPUT

Due to scarce internet connectivity underground and around the mine, the client used paper forms to collect daily production data. This process was labor-intensive but critical to get required management information into databases for reporting and analysis. It was subject to error as the data was collected and processed by multiple staff.

DataCloud custom-developed this mine's digital displays and data fields on FieldPortal to mimic existing data collection forms making it a seamless transition for operators and engineers. The application includes several pre-programmed data fields that significantly improved data accuracy.

At the end of each shift, the data is automatically uploaded to the cloud to create management reports in a MinePortal dashboard. This dynamic database offers managers real-time visibility into their operations and helps them make fast, data-driven decisions.

## OUR HYBRID APPROACH

We develop digital solutions, we apply data science, and we know mining. Our hybrid approach is key to our clients' success.

No matter how far along you are on your digital transformation path, we can assist. We complete all projects with our geostatisticians, machine learning geologists, data integration specialists, mining engineers, and industry experts.

We help mine sites exceed their production goals by continually optimizing from the drill to the mill. Our digital solutions automate modeling and reporting and integrate site-wide data sources. The analysis helps identify bottlenecks in production and which geological features and performance factors are causing them.