

# NEXT GENERATION CYANIDE MANAGEMENT SOLUTION: PILOT PROGRAM OVERVIEW

Efficient cyanide control increases performance  
and cost-efficiency



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# Our solution provides real-time, foolproof cyanide process monitoring

The Product Kit consists of three parts:

1

The single-use test cartridge, which changes colour depending on the concentration of cyanide.



**Simple**



2

The digital, handheld read-out devices which transmits the measurement data and GPS in real-time to our online platform.



**Reliable**



3

The cloud platform allows the manager to visualize, control and optimize the cyanide process in real-time.



**Fully Digital**

## It gives a visible competitive advantage to our clients vs. their peers who use traditional technology

We help mines to **reduce their cyanide costs** as well as **increase their gold recovery** substantially.



**-15%**

cyanide consumption

This results also in a reduced environmental impact, like **reduction of water consumption.**



**+2%**

gold production

In numbers, this represents a yearly return of **~\$1-2 Million.**



**-20%**

detox reagent cost



## We offer our partners the opportunity to test our solution and see the results before implementing the innovation

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The objective of the *Pilot Project* is to test and evaluate the feasibility of using CyanoGuard AG cyanide control solution in the production settings of the partner mines.

The evaluation is to be done against the pre-defined criteria in comparison with the current cyanide control solution used at the mine.

Duration of the project is 4 weeks.

## CyanoSmart



## Cyano.AI

## Operator

- Cyanide monitoring anywhere
- Data (GPS, Cyanide, Time) upload in real-time

## Manager

- Remote and real-time cyanide control
- Optimize process instantaneously to reduce cyanide costs and increase gold recovery

# Pilot Project Phases

## Provide technical inputs

In order to qualify and set up the pilot, CyanoGuard requires the following information from the Partner:

- How do you measure cyanide currently?
- In which concentration ranges are you looking to measure cyanide?
- At which points do you plan to measure cyanide?
- How many measurements do you plan to do on a monthly/daily basis?

## Establish baseline parameters

The following parameters are to be assessed based on the historical data for the current cyanide control solution used at the mine:

- Simplicity of use (assessed on the scale of 1 to 5, where 1 is "Very Simple" and 5 is "Very Complicated")
- Cyanide consumption per month and per mt of ore processed
- Gold recovery ratio and oZ of gold produced per month
- Detox reagent costs per month and and per mt of ore proces

## Run Pilot Project

- CyanoGuard Product Kit will be sent to the Partner's mine and will be used there for 4 weeks instead of the usual cyanide testing solution
- Personnel at Partner's mine will use the test results to make cyanide management decisions
- CyanoGuard will provide the onboarding/user training services on site or via video conference and will ensure user support during the whole project

## Conduct the evaluation

- At the end of the Pilot Project CyanoGuard and Partner will conduct the evaluation of the Pilot Project, performance of CyanoGuard Product Kit vs. the customary solution previously used by the Partner and make decision regarding the feasibility of further cooperation



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