

ASSESS AND IMPROVE THE PERFORMANCE OF YOUR DMS

with real-time tracing and monitoring.



AUTOMATED AND DIGITISED

SOLUTIONS

ENABLING REAL-TIME PROCESS OPTIMISATION

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TRACER SELECTION

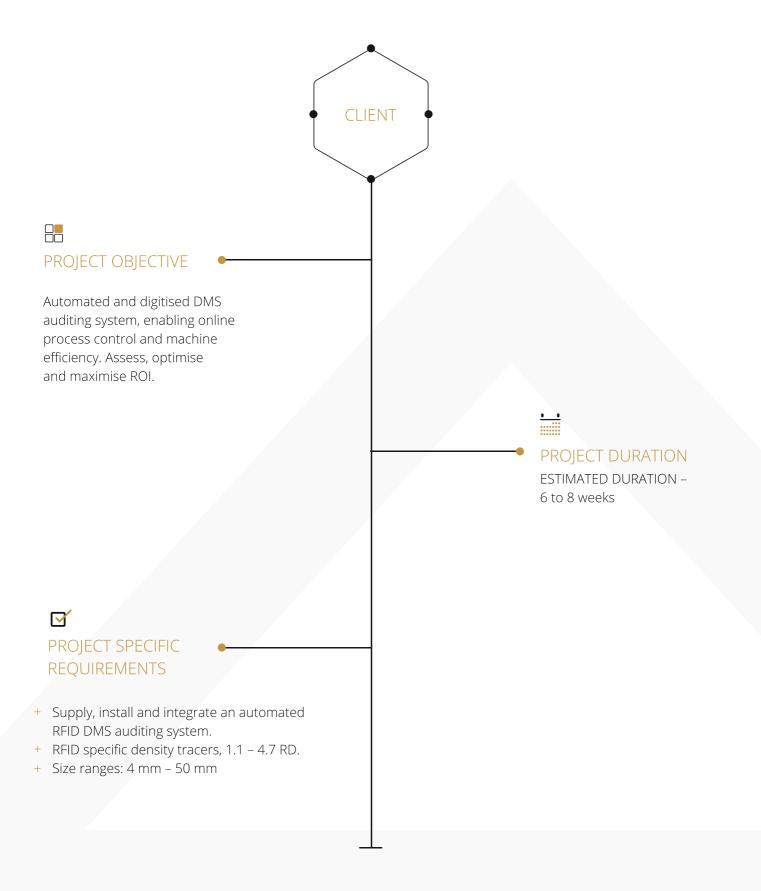
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AUTOMATED AND DIGITISED SOLUTIONS



DMS AUDITING AND

OPTIMISATION

INTRODUCTION

MINE SMARTER, NOT HARDER

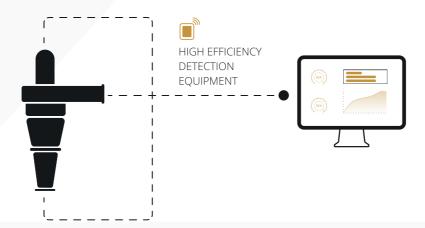
On-line QA/QC solution to assess the real-time performance of DMC and maximise your ROI.

PROPRIETARY RFID TECHNOLOGIES

- + In-house developed RFID tracer, detection hardware and software.
- + Real-time management service and web interface ensure optimal metallurgical performance 24/7.

BENEFITS

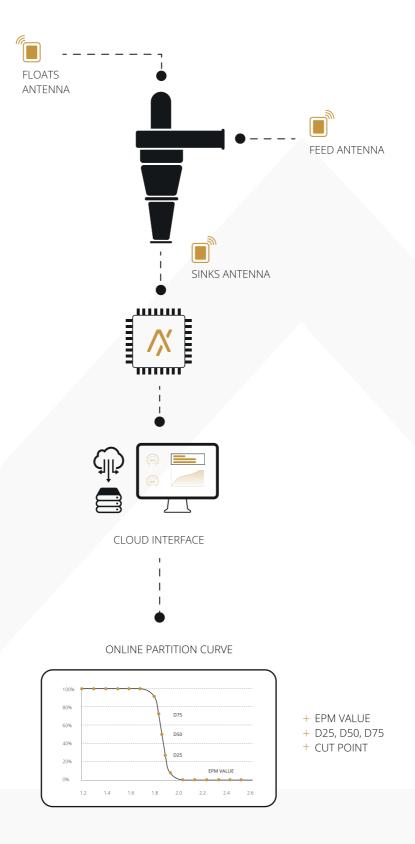
- + Live running plant testing.
- + Real-time results.
- + Application specific particle size and density RFID tracers.
- + Real-time monitoring of feed blend to the DMS plant.
- + Modern technology for plant performance monitoring.
- + Performance data (efficiency curves) for individual and combined size classes.



SORTER AUDITING AND

OPTIMISATION

SYSTEM OVERVIEW



TRACERS SELECTION

RFID VARIOUS DENSITY TRACERS

The RFID density tracers provide online and accurate results for your dense medium beneficiation processes.

This enables real-time process control with the STARK proprietary dense media optimisation system.

- + Embedded with unique RFID tags
 - + Sizes ranging from 4 50 mm
 - + Relative density ranging from 1.3 4.7 RD
 - + Density increments of 0.05 RD
 - + Lead free
 - + Each tracer undergoes a verified QC/QA process
 - + Suitable with STARK dense media optimisation system or machine performance audit



EQUIPMENT SELECTION

DETECTION EQUIPMENT | ANT2501

POLARISATION TYPE:

FORM FACTOR:

CONNECTOR TYPE:

CONNECTION LOCATION:

PRIMARY FREQUENCY RANGE:

VSWR <= 1.8:1:

INPUT IMPEDANCE:

DIMENSIONS:

CIRCULAR

STATIONARY FIXED

TNC FEMALE

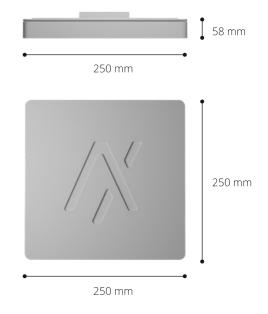
BACK PANEL MOUNTED

915 MHZ - 919 MHZ

1.3 – 1.5

50 OHM

250 MM X 250 MM X 58 MM / L X B X H





EQUIPMENT SELECTION

DETECTION EQUIPMENT | HARDWARE ATTACHMENT

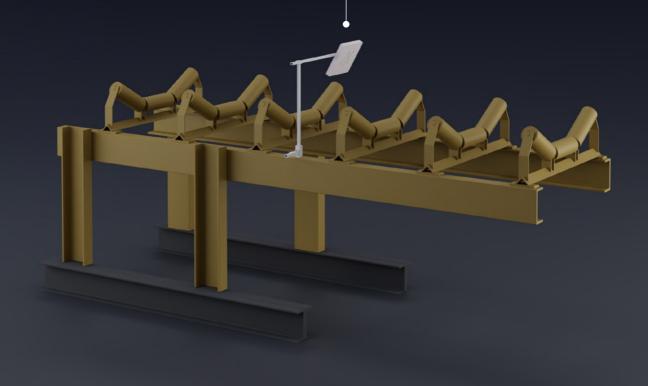


OVER CONVEYOR

DETECTION

Custom engineered and accessible fixing methods to ensure safe and easily maintained hardware.

Adjustable mounting positions for optimal readability and quickest read rates.



EQUIPMENT SELECTION

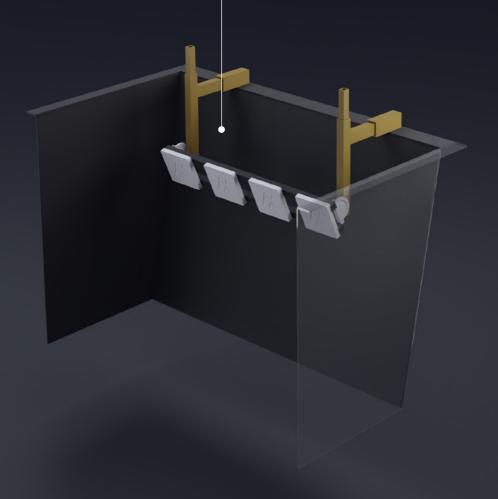
DETECTION EQUIPMENT | HARDWARE ATTACHMENT



SCREEN DISCHARGE CHUTE

Custom engineered and accessible fixing methods to ensure safe and easily maintained hardware.

Adjustable mounting positions for optimal readability and quickest read rates.







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GET IN TOUCH!