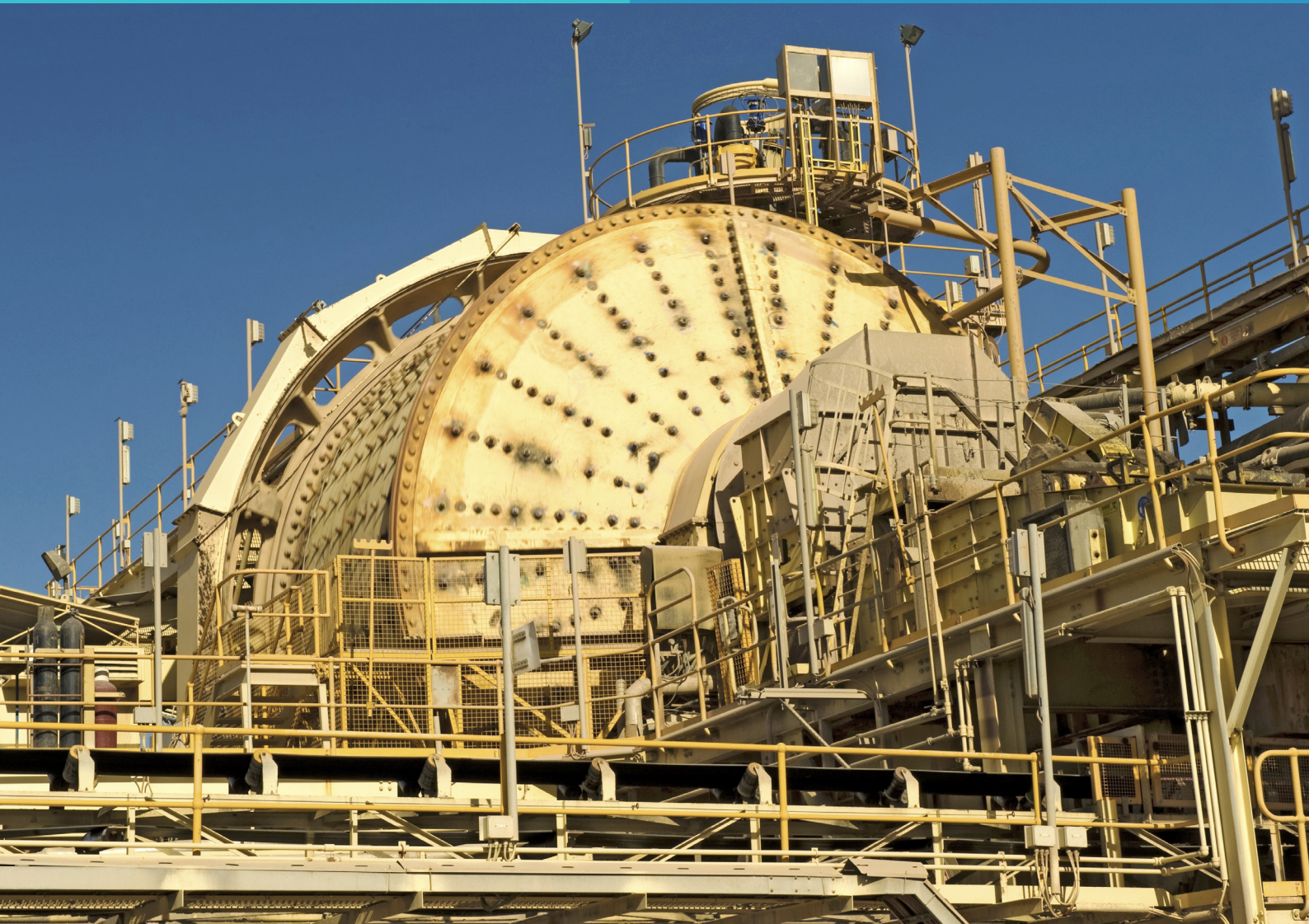


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INDUSTRIAL PROCESS OPTIMISATION

Turn operational data into better production decisions. Increase throughput. Improve efficiency. Operate closer to the optimum.





MINE-TO-MILL OPTIMISATION

~6%

**AVERAGE THROUGHPUT
IMPROVEMENT**

93%

**PREDICTION ACCURACY IN
BUSINESS CONTEXT**

27%

**IMPROVEMENT OVER
COMMERCIAL SIMULATION**

Model SAG mill throughput and optimise interacting operating parameters including crusher gap, SAG mill speed and % solids while respecting operational constraints.

OIL PRODUCTION OPTIMISATION

~4%

**PRODUCTION INCREASE INDICATED
ON A SINGLE MACHINE**

93%

TARGET PREDICTION ACCURACY

Identify operating conditions that maximise production while minimising water and solids consumption and equipment vibrations.



INCREASE THROUGHPUT

Find operating conditions that maximise sustainable production.

IMPROVE PROCESS STABILITY

Identify conditions associated with instability and performance degradation.

OPTIMISE ENERGY

Reduce energy consumption while maintaining production objectives.

IDENTIFY CONSTRAINTS

Find the variables and equipment conditions limiting production.

HOW IT WORKS

**DATA → UNDERSTAND →
PREDICT → OPTIMISE → ACT**

Existing process and sensor data is used to learn relationships between operating conditions and outcomes, predict performance and recommend improved operating set-points.

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INDUSTRIAL PROCESS OPTIMISATION



sales@september.ai

CALL FOR A QUOTE

(08) 9288 2904
25 Harlond Avenue Malaga WA 6090

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