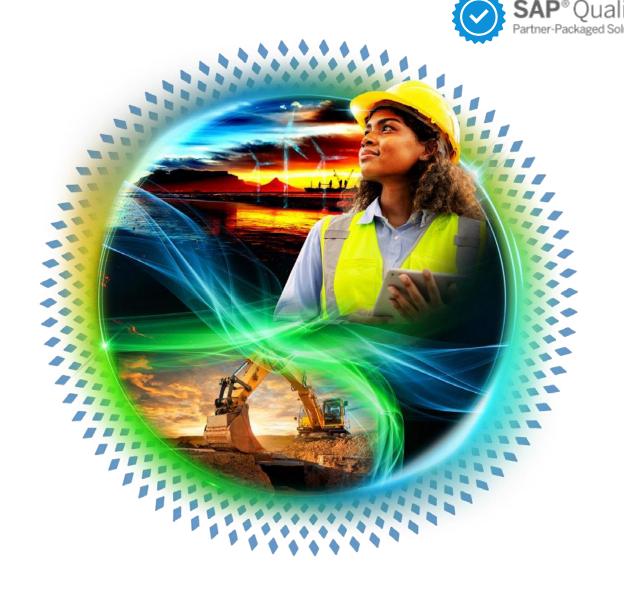


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SAP MMM in a Box Webinar

Deloitte & SAP's Mining, Metals & Minerals (MMM) in a Box:

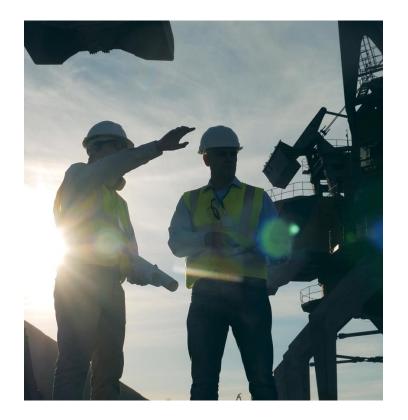
A pre-configured SAP S/4HANA® solution tailored for the Mining & Resources industry



Agenda



- of Global/Platinum Alliance Partner Introductions
- 02 What is SAP MMM in a Box?
- O3 A Case Study
- O4 Connect with the team









Global/Platinum Alliance Partner Introductions



Pascal Ossevoort

Head of Mid-Market Digital Sales
- MEA South

pascal.ossevoort@sap.com













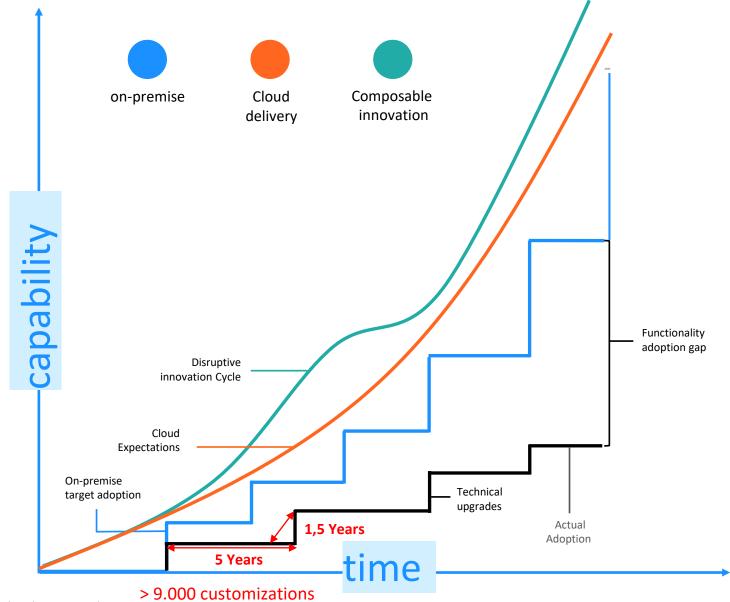


"In the new world, it is not the big fish which eats the small fish, it's the fast fish which eats the slow fish"

Klaus Schwab, Founder and Executive Chairman of the World Economic Forum

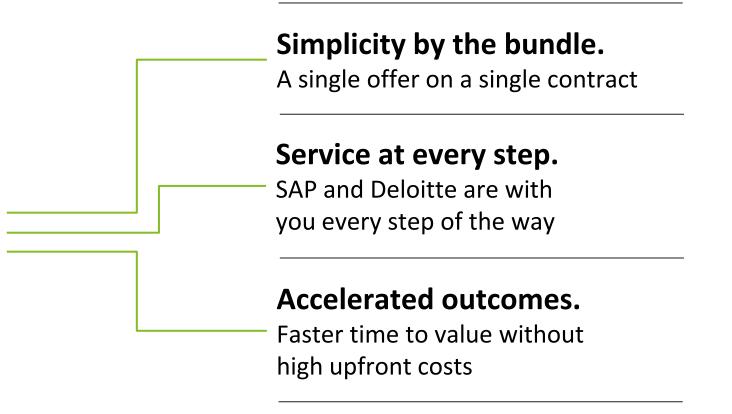


A paradigm shift



This is *not* another upgrade.

It is the new way of working.









What is SAP MMM in a Box?



Hester Rebel

Customer Value Strategist

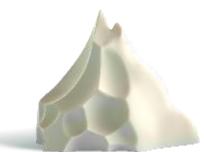
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Solution Owner

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Deloitte.



What is MMM in a Box?

"MMM in a Box is a **pre-build**, **pre-configured**, **SAP-qualified solution**, that offers options with **SAP RISE and SAP GROW**, MMM in a box is a **robust solution**, based on years of research and project activities that were started from a blank page. **Built with best practices** from years of mining industry projects, it provides companies with **a comprehensive**, **ready-to-go ERP solution.**"

How will you benefit?

Accelerate delivery by 30-50% to drive productivity through a complete set of refined, integrated scenarios.

- Streamline operations with improved,
 Standardised processes tailored specifically for your industry.
- Unlock cost
 efficiencies with
 reduced overheads
 through a set of
 accelerators without
 jeopardising quality.

Leverage global best practice to address unique business challenges across mining and related industries.

- Ensure reporting visibility for databased decision-making to transform your business.
- Reduce implementation risks through a demonstrated repeatable approach.

Why Change now?

Your larger business will gain access to a world-class product at an affordable price, modernising your SAP landscape and setting you up for future success: **efficiently**, **competitively**, **sustainably**.

Included in this solution



Business process integration with S/4HANA to directly articulate process execution.



Industry specific process diagrams, training support and quick reference guides.



integration

Concur, IBP,

SuccessFacto

rs) via Public

and Private

Suite

(Ariba,

Cloud.

Standard implementa tion audit criteria linked to template artifacts.



Project
Managemen
t in a Box for
large scale
business
transformati
on.



Mobility – set of mobile applications covering scanning, plant maintenance, etc. (*Optional)

Our Fees are covering subscription, implementation and User support fees over a period of 3-years

SAP MMM in a Box Features





Differentiate

Plain Vanilla, One Change

- SAP standard
- Tailored for the industry
- Business centric to drive adoption









A Case Study



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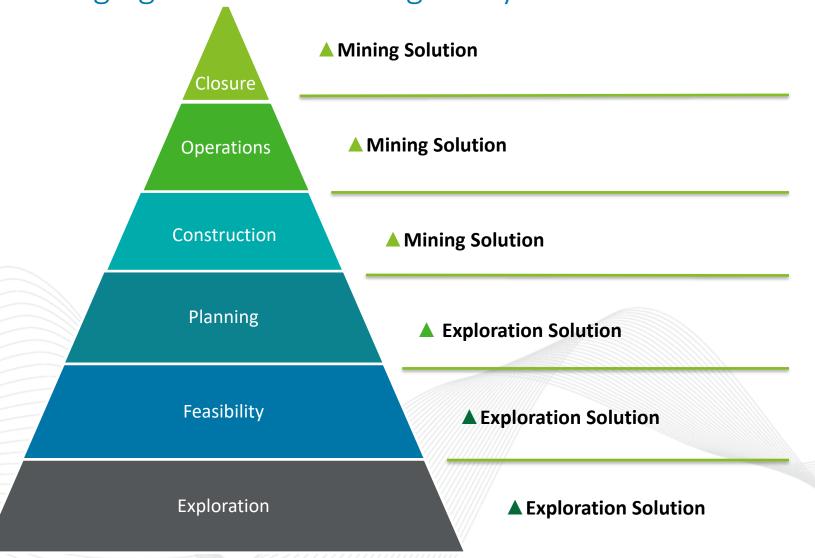
Industry trends the client is exposed to

The focus areas for the system implementation





Different parts of the organisation needed elements of a Mining solution Managing the Entire Mining Lifecycle





Mining Solution includes
Exploration Solution below,
plus HR &Payroll, KPI's and
Budget Planning &
Consolidations.



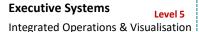
Exploration Solution
includes Financials,
Procurement & Contracting,
License Management,
Project Systems and Plant
Maintenance.



Exploration Solution includes Financials, Procurement & Contracting, License Management (and where required, Project Systems).

Supporting the vision





Enterprise Data Consolidation & Consumption

Integrated Operations Centre Physical consolidation & collaborative integration of critical Workforce Skills



Quality Management





Enterprise Data Consolidation Platform Enterprise Data Level Consolidation Platform and Visualization

Enterprise Systems

Integrated resource planning, collaboration.

Enterprise Resource Planning

Mine Operations

Supply Chain Materials Management

Pit to Port Value Chain

Mineral Resource Management

Resource Modelling

Mine Planning Long

Financial Modelling &

Scenario Planning

Scheduling & Tracking

Medium & Short Term

Fleet /Mobile Systema

Medium 8

Short

Term

Hydrogeology

(Geological Model & Reserves Optimisation)



Short Term

Modelling

Drill / Blast

Solutions

Ore Processing



Engineering & Asset Management

Sustainability (EHS)



Rail Management



Shipping Management

Operational Intelligence Level 3 **Operational Management**

Geology & Mine Systems Plant Management Systems

Rail Management Systems

Ship Management Systems

Engineering & Asset Management Systems

Geo/GIS

Medium

Survey

Design

Grade Control

Mine Engineering

Advanced Analytics,

Predictive

Safe Mine / Environment

Specialised Tools

Plant Management Systems

Asset & Operational Performance

- **Inventory Management Process Delay Accounting**
- Equipment Downtime & OEE
- **Production Accounting**
- Shift Logs & Action Register
- Consumables & Utilities

Operations Management:

- Conformance to Plan
- **Quality Control**
- Daily & Monthly Reporting **Dispatch Notifications**

Stockpile Management:

- Blend Tracking
- **Survey Reconciliations**

Specialised Applications

- 3D Stockpile Management
- Metal Accounting & Reconciliation
- Carbon Emission Reporting
- **Predictive Maintenance**

Maintenance Management

- Permit to Work x
- Operator Rounds and Inspections

Sustainability & Compliance

- Permit to Work x
- **Operator Rounds and** Inspections

Rail Management Systems

Rail Delay Accounting & Reporting

Equipment Health Monitoring

Train Manifest / Inventory Tracking

Train Loadout & Plan Conformance

Train Unloading & Plan Conformance

Shipping Management

Owner / Operator Voyage Plan Conformances

Hatch & Ship Load Plan

Vessel & Berth Plan Conformance

Ship Sail & Draft Survey Reports

Port and Ship Delay Accounting

Demurrage & Tariff Data Capture

Other Systems

Laboratory Management Systems

Biometric Management Systems

Safety & Health Management

Employee Training platform

Industrial Automation. **Monitoring & Supervision**

Sensing & Manipulation

Level 1

Level 2

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A - Mine Control & Monitoring Vehicle Information Slope Stability & Management System

Autonomous Fuel Management Fixed Plant SCADA and Mobility

Avoidance System Drilling Actuators, IoT, Edge, etc.) **Equipment Sensors**

B-Process Control & Monitoring Fixed Plant SCADA Weighbrigdes / In-stream & Weightometers / DCS and Online Analysis Mobility CCTV and Alarm Advanced Process Management Vision Systems Control Green-house Gas Energy Efficiency Control PLC's Emission Mentoring Monitoring

OT/IT Convergence Bridge - Historian - Realtime Process - Event/ Data Capture C-Rail / Port Control & Monitoring









Connect with the team



Conrad Steyn Head of ERP: Africa





Louis KrugerDeloitte Africa ER&I Industry Leader





Omeshnee Naidoo
CIO Programme Leader for Africa





Hester RebelCustomer Value Strategist





Taahir AbaderSolution Owner





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