

Advanced Open Pit Mine Planning

In Maptek Vulcan

Course Programme

Join us in Harare this March for 3 days of intensive training on Open Pit Mine Planning in Maptek Vulcan. Our experts will teach you the best techniques for reserving, mine design and scheduling in non-stratigraphic open-pit mines.

What you need to know

Location: Virimai Projects - Block 4, Tungsgate Office Park, 30 Tungsgate Road. Harare, Zimbabwe

When: 20 - 22 March 2016. 9:00am- 4:30pm

Phone: + 233 30 274 0930

Speakers:

Brilliance Mabhena – Maptek Technical Services Manager

Captain Mohlake – Maptek Technical Services Coordinator

What's included

Along with our expert teaching, Maptek will provide daily lunches and mid-morning and mid-afternoon refreshments. Each day, ample time will be made available for participants to discuss course content with Maptek staff.

Please go to the next page for the daily programme of activities →

DAY 1 – Monday 20th March

TIME	PRESENTATION TITLE	PRESENTER(S)
9:00 am	Meet & greet	
9:30 am	Welcome Address	<i>Brilliance Mabhena, Maptek</i>
10:00 am	Morning Tea	
10:15 am	Vulcan 10 Introduction	<i>Brilliance Mabhena, Maptek</i>
11:00 am	Break	
11:15 am	Open Pit Mine Design Intro – Part 1	<i>Captain Mohlake, Maptek</i>
12:30 pm	Lunch	
1:30 pm	Open Pit Mine Design Intro – Part 2	<i>Captain Mohlake, Maptek</i>
2:00 pm	Optimization of Open Pit Mines – Part 1	<i>Captain Mohlake, Maptek</i>
3:00 pm	Afternoon Coffee	
3:30 pm	Optimization of Open Pit Mines (Vulcan Pit Optimizer) – Part 2	<i>Captain Mohlake, Maptek</i>
4:00 – 4:30 pm	Analysing & Evaluating Optimized Pit Shells	<i>Captain Mohlake, Maptek</i>

DAY 2 – Tuesday 21st March

TIME	PRESENTATION TITLE	PRESENTER(S)
9:00 am	Day 1 Revision (Open Floor for Questions)	<i>Captain Mohlake, Maptek Brilliance Mabhena, Maptek</i>
10:00 am	Morning Tea	
10:15 am	Paper Presentation - Using Simulation to Quantify Uncertainty in Ultimate Pit Limits	<i>Brilliance Mabhena, Maptek</i>
11:00 am	Break	
11:15 am	Automated Pit Design (Vulcan 10 Only)	<i>Captain Mohlake, Maptek</i>
12:30 pm	Lunch	
1:30 pm	Basic Manual Pit Design – Part 1	<i>Captain Mohlake, Maptek</i>
2:00 pm	Basic Manual Pit Design – Part 2	<i>Captain Mohlake, Maptek</i>
3:00 pm	Afternoon Coffee	
3:30 pm	Open Pit Ramp Design Considerations	<i>Captain Mohlake, Maptek</i>
4:00 – 4:30 pm	Vulcan Open Pit Ramp Design Intro	<i>Captain Mohlake, Maptek</i>

DAY 3 – Wednesday 22nd March

TIME	PRESENTATION TITLE	PRESENTER(S)
9:00 am	Day 2 Revision (Open Floor for Questions)	<i>Captain Mohlake, Maptek Brilliance Mabhena, Maptek</i>
9:15 am	Top Down vs. Bottom Up Design Approach - Presentation	<i>Captain Mohlake, Maptek</i>
10:00 am	Morning Tea	
10:15 am	Open Pit Design – Gold/Platinum Orebody – Part 1	<i>Captain Mohlake, Maptek</i>
11:00 am	Break	
11:15 am	Open Pit Design – Gold/Platinum Orebody – Part 2	<i>Captain Mohlake, Maptek</i>
12:30 pm	Lunch	
1:30 pm	Open Pit Design – Gold/Platinum Orebody – Part 3	<i>Captain Mohlake, Maptek</i>
2:00 pm	Resource – Reserves Conversion (SAMREC) - Presentation	<i>Captain Mohlake, Maptek Brilliance Mabhena, Maptek</i>
3:00 pm	Modern Open Pit Mine Scheduling Techniques – Presentation (i.e. Material Movement based; NPV based; Haulage based; Cut-Off Grade Policy; Stockpiling; Waste Dumping Optimization)	<i>Captain Mohlake, Maptek</i>
3:30 pm	Closing	<i>Brilliance Mabhena, Maptek</i>