

**PARTNERS IN  
BUSINESS**



Ghana, W. Africa



Owasso, U.S.A.



Shijiazhuang,  
China



Ghana, W. Africa



Salt Lake City,  
U.S.A.

**- THE STORY BOARD -**  
**DATAMAN SYSTEM CONSULTANCY**

# Company: Overview

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- **Dataman System Consultancy (DSC) was established in 1994. The principal objective of the company is to provide direct services in Assets Management with associated Repair and Maintenance (R and M) activities to diverse range of industries including, but not limited to, Mining, Construction, Transportation, Manufacturing, Cement, Power and Gas, and allied small-scale business enterprises within the continent of Africa. It is also the marketing, sales, training and after sales service provider for Sabre64 Computerized Maintenance Management System.**
- **DSC is a locally owned Ghanaian-based Company (registered physical office and training academy) located at S6/116, Senyakrom, (Off Nsuta Road), Tarkwa, Western Region, Ghana, West Africa. DSC is in private business partnership with Maintenance Innovators, Inc. U.S.A. (registered office located at 10307 N. 140th E. Ave., Owasso, Oklahoma), Rushton International, Inc. (registered office located at P.O. Box 225 Sandy, Utah, Salt Lake City). Affiliate business partners: Mizztech Group, China; MAC Partners Training Institute, Ghana; Monty Safety, Ghana.**
- **The 20th century has established that maintenance and asset reliability must be an integral part of the production strategy. The 21st century must build on this, and beyond. Assets in the 21st century will be more reliable and more complex. New strategies will be required to realize potential reliability and convert them into profitability.**

# Company: Products and Services

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## Consulting:

**Our maintenance management consultants help clients to achieve maximum operational results through enhanced planned maintenance and reliability management.**

## Training:

**Our Training Academy which is located in Tarkwa, Western Region, Ghana, West Africa is designed to offer wide range of training programs in basic technical engineering, maintenance and reliability management, and continuous business improvement.**

## Sales and Supplies:

**Our business sales and supplies support section provide service delivery of equipment, parts and components, as well as direct prompt support services to our clients.**

## DSC Training Academy: (Maiden Training): How It All Started

- **Dataman System Consultancy (DSC) was established in 1994. The principal objective of the company is to provide direct services in Assets Management with associated Repair and Maintenance (R and M) activities to diverse range of industries including, but not limited to, Mining, Construction, Transportation, Manufacturing, Cement, Power and Gas, and allied small-scale business enterprises within the continent of Africa. It is also the marketing, sales, training and after sales service provider for Sabre64 Computerized Maintenance Management System.**

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# Dataman Training Academy: How It All Started: Maiden Training



**ALBERT K. FLETCHER, CEO, SETTING UP STAGE FOR MAIDEN TRAINING TAKE-OFF (MARCH 2021)**



**DR. JOHN L. ROSS (FOUNDER, MAINTENANCE INNOVATORS, U.S.A.) IIN SESSION WITH 1<sup>ST</sup> ATTENDEES. (COMPRISE 5 PSGL & 1 GMC) EMPLOYEES (21<sup>ST</sup> TO 31<sup>ST</sup> MARCH, 2021)**

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## **E & P Employees – Group 1 – (16 Mature Students)**



**Training Session (June to September, 2022)**



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# E & P Employees – Group 1 – (16 Mature Students) – Jun to Sep 2022



**GROUP 1 - TRAINING COMPLETION GROUP PICTURE**



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**E & P Employees – Group 1 – (16 Mature Students) – Jun to Sep 2022**



**CERTIFICATES PRESENTATION – NOVEMBER 2022**



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**E & P Employees – Group 1 – (16 Mature Students) – Jun to Sep 2022**



**CERTIFICATES PRESENTATION – NOVEMBER 2022**



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# E & P Employees – Group 1 – (16 Mature Students) – Jun to Sep 2022



# GET-TOGETHER CELEBRATION – NOVEMBER 2022



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# E & P Employees – Group 2 – (15 Mature Students) – November 2022



## **TRAINING SESSION – NOVEMBER 2022**



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# E & P Employees – Group 2 – (15 Mature Students) – November 2022



## GROUP 2 - TRAINING COMPLETION GROUP PICTURE



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Salt Lake City, U.S.A.

# Kunming, China – August 18 to 23, 2023



## **KUNMING EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION - 2023**



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Shijiazhuang, China



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## Kunming, China – August 18 to 23, 2023



**KUNMING EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION - 2023**



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Salt Lake City, U.S.A.

# Kunming, China – August 18 to 23, 2023



## **KUNMING EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION - 2023**



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Salt Lake City, U.S.A.

## Kunming, China – August 18 to 23, 2023



**KUNMING EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION - 2023**



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# Kunming, China – August 18 to 23, 2023



## **KUNMING EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION - 2023**



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# Kunming, China – August 18 to 23, 2023



## **KUNMING EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION - 2023**



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# Guiyang, China – August 24 to 26, 2023



## **GUIYANG EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION - 2023**



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# Shijiazhuang, China – August 27 to 30, 2023





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Ghana, W. Africa



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# Shijiazhuang, China – August 27 to 30, 2023



## SHIJIAZHUANG EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION - 2023



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Ghana, W. Africa



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Shijiazhuang, China

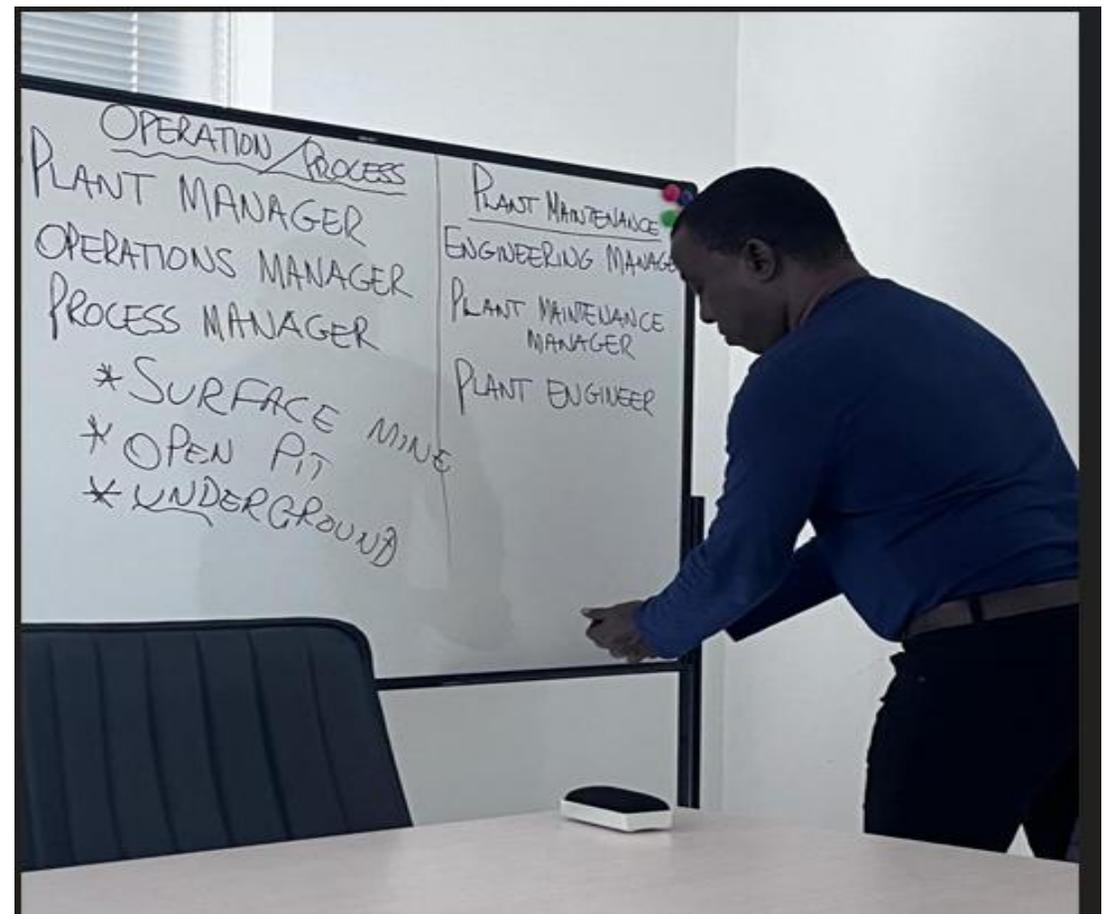


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# Shijiazhuang, China – August 27 to 30, 2023



## **SHIJIAZHUANG EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION - 2023**



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# Shijiazhuang, China – August 27 to 30, 2023



## **MIZZTECH PUMP MANUFACTURING FACTORY – SHIJIAZHUANG – 2023**



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Shijiazhuang, China



Ghana, W. Africa



Salt Lake City, U.S.A.

# Tianjin, China – August 31 to September 3, 2023



## **TIANJIN EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION - 2023**



PARTNERS IN BUSINESS



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Shijiazhuang, China

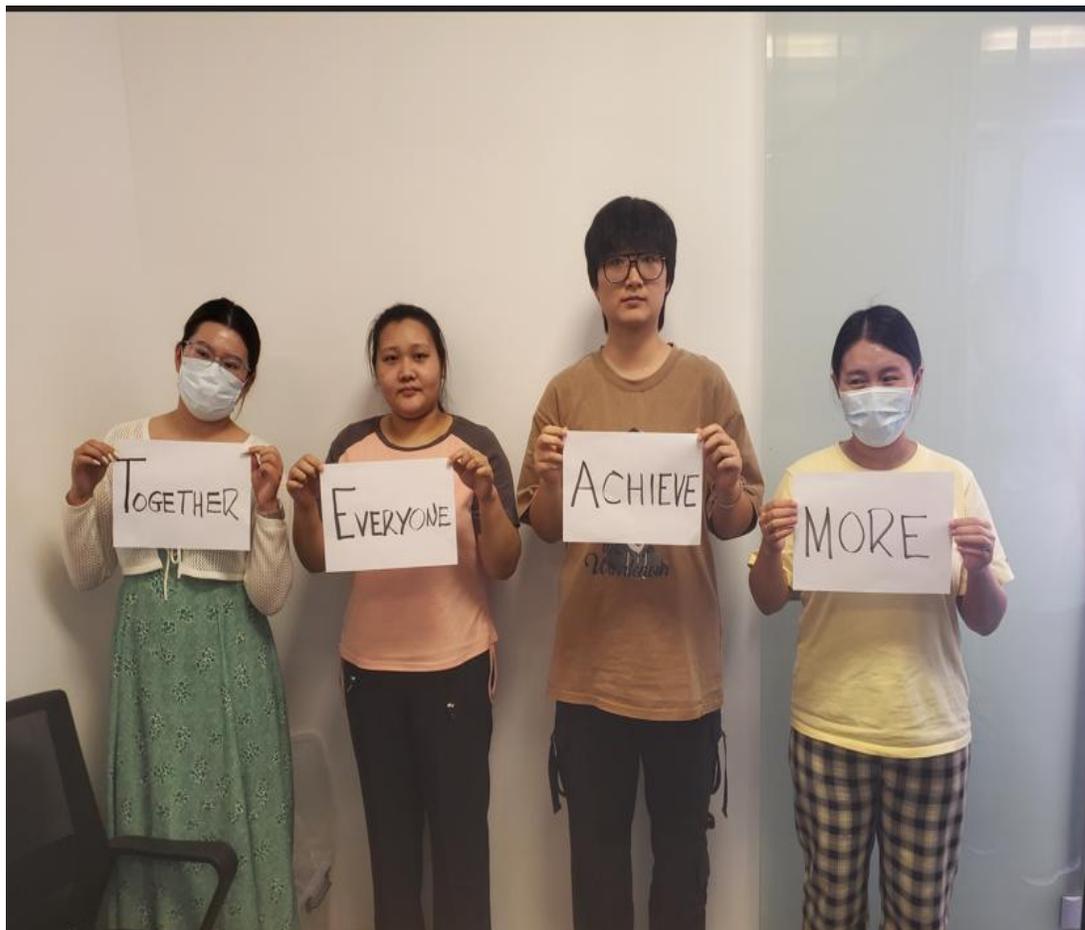


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## Tianjin, China – August 31 to September 3, 2023



**TIANJIN EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION - 2023**

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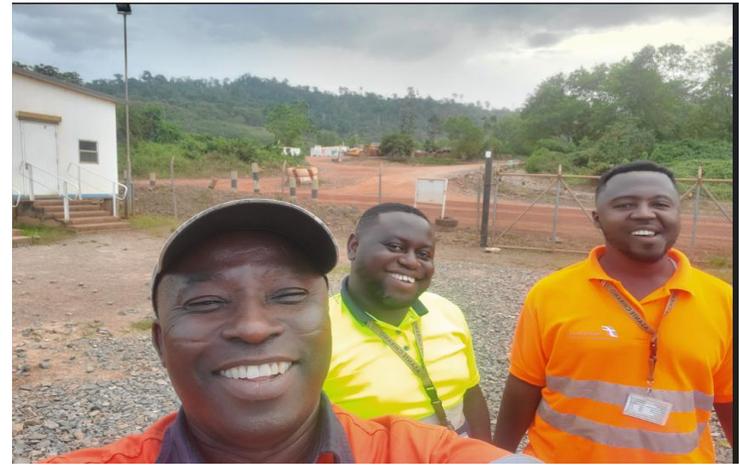
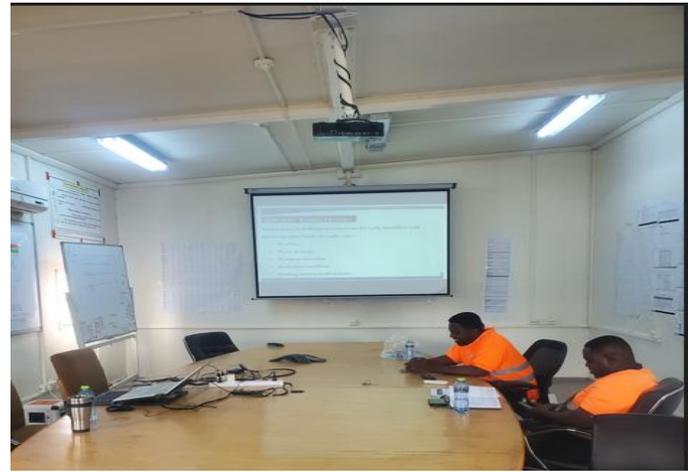


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# KINROSS Chirano – Group 1 – Maintenance & Reliability Management Training – October 2023



## CHIRANO EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION - 2023

**KINROSS CHIRANO – ADVANCED PLANNING & SCHEDULING CLOSE-OUT SESSION - OCTOBER 2023**

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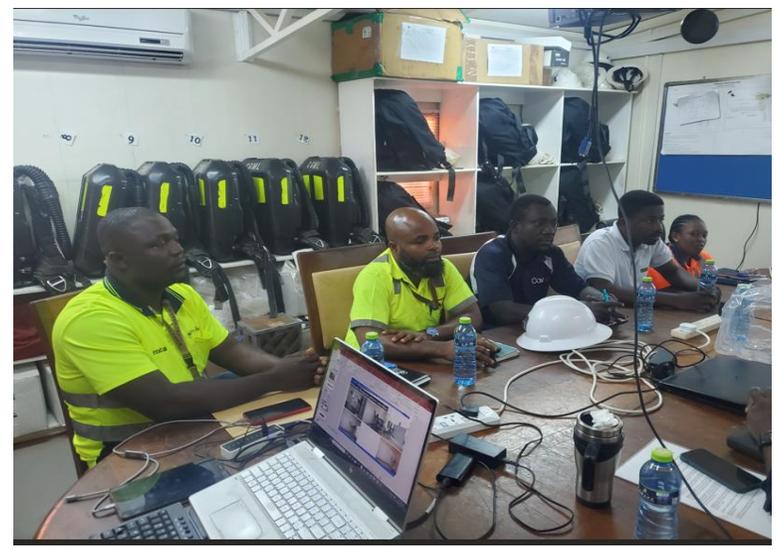
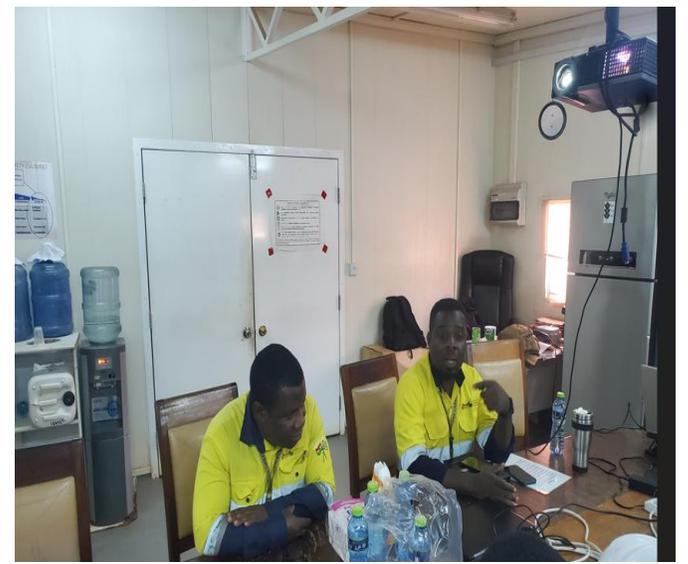
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# KINROSS Chirano – Group 2 – Advanced Planning & Scheduling Training – October 2023



## PROCESS PLANT TOUR – 2023



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**DEMONSTRATING NDT TESTING AND IR HOT SPOT TESTING – OCT 2023**



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# **KINROSS Chirano – Group 2 – Advanced Planning & Scheduling Training – October 2023**



**ATTENDEES PROUDLY DISPLAY THEIR CERTIFICATES**



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# **GMC (Permanent Employees) – Advanced Planning & Scheduling Training– August 2024**



# **GMC PERMANENT EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING – AUGUST 2024**



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**KINROSS, Tasiast (Mauritania) – Group 1 – Advanced Planning & Scheduling Training – October 2024**



**KINROSS EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION – OCT 2024**



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**KINROSS, Tasiast (Mauritania) – Group 1 – Advanced Planning & Scheduling Training – October 2024**



**KINROSS EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION – OCT 2024**



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**KINROSS, Tasiast (Mauritania) – Group 1 – Advanced Planning & Scheduling Training – October 2024**



**ADVANCED PLANNING & SCHEDULING – (GROUP 1) PICTURE – OCTOBER 2024**

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**KINROSS, Tasiast (Mauritania) – Group 2 – Advanced Planning & Scheduling Training – October 2024**



**KINROSS EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION – OCT 2024**



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# KINROSS, Tasiast (Mauritania) – Group 2 – Advanced Planning & Scheduling Training – October 2024



# KINROSS EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION – OCT 2024



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**KINROSS, Tasiast (Mauritania) – Group 2 – Advanced Planning & Scheduling Training – October 2024**



**ADVANCED PLANNING & SCHEDULING – (GROUP 2) PICTURE – OCTOBER 2024**



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# KINROSS, Tasiast (Mauritania) – Group 1 – Maintenance & Reliability Management - November 2024



# KINROSS EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION – NOV 2024



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**KINROSS, Tasiast (Mauritania) – Group 1 – Maintenance & Reliability Management - November 2024**



**KINROSS EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION – NOV 2024**



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**KINROSS, Tasiast (Mauritania) – Group 2 – Maintenance & Reliability Management - November 2024**



**KINROSS EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION – NOV 2024**



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# KINROSS, Tasiast (Mauritania) – Group 1 – Maintenance & Reliability Management - November 2024



# KINROSS EMPLOYEES – (KNOWLEDGE-TRANSFER) TRAINING SESSION – OCT 2024



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# KINROSS, Tasiast (Mauritania) – Advanced Planning & Scheduling Training – November 2024



## MANAGEMENT & STUDENTS – (IN POSE) - NOVEMBER 2024



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# KINROSS, Tasiast (Mauritania) – Advanced Planning & Scheduling Training – November 2024



**ALL 44 ATTENDEES (POSE WITH MANAGEMENT) PROUDLY DISPLAY CERTIFICATES – NOVEMBER 2024**

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Shijiazhuang, China

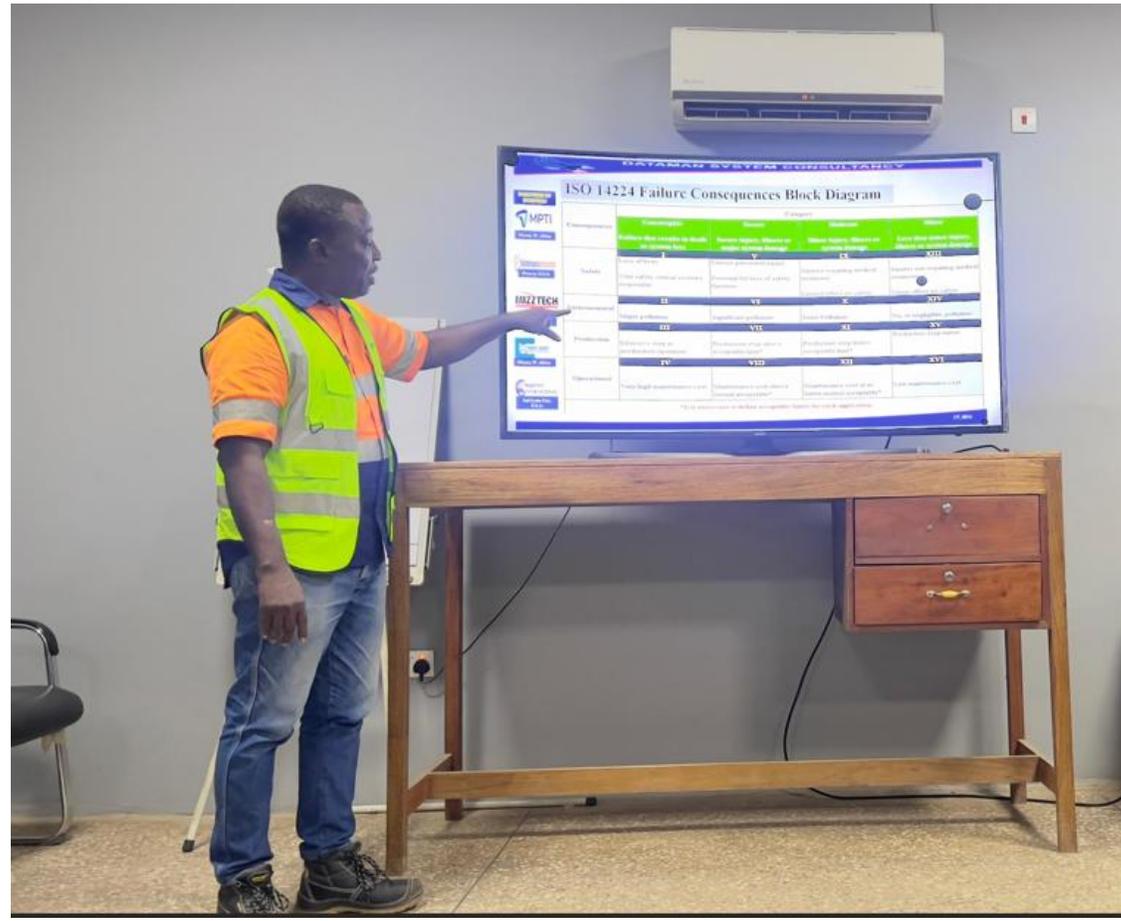


Ghana, W. Africa



Salt Lake City, U.S.A.

# GMC (Graduate Trainees) - (Group 1) – Advanced Planning & Scheduling — January 2025



## GRADUATE TRAINEES (KNOWLEDGE-TRANSFER) TRAINING SESSION – JANUARY 2025



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# GMC (Graduate Trainees) - (Group 1) – Advanced Planning & Scheduling — January 2025



## GRADUATE TRAINEES (KNOWLEDGE-TRANSFER) TRAINING SESSION – JANUARY 2025

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# GMC (Graduate Trainees) - (Group 1) – Advanced Planning & Scheduling — January 2025



## GRADUATE TRAINEES (KNOWLEDGE-TRANSFER) TRAINING SESSION – JANUARY 2025



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# GMC (Graduate Trainees) - (Group 2) – Advanced Planning & Scheduling — January 2025



## GRADUATE TRAINEES (KNOWLEDGE-TRANSFER) TRAINING SESSION – JANUARY 2025



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# GMC (Graduate Trainees) - (Group 2) – Advanced Planning & Scheduling — January 2025



## GRADUATE TRAINEES (KNOWLEDGE-TRANSFER) TRAINING SESSION – JANUARY 2025



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## A STORY OF MIGRATING GEESE – TEAMWORK!

Have you ever wondered why migrating geese fly in a V-formation? As each bird flaps its wings, it creates uplift for the bird following. In a V-formation, the whole flock adds 71% more flying range than if each bird flew alone. Whenever a goose falls out of formation, it suddenly feels the drag and resistance of trying to fly alone... and quickly gets back to formation. Like geese, people who share a common direction and sense of community can get where they are going quicker and easier than those who try to go it alone. When a goose gets tired, it rotates back into the formation and another goose flies at the point position. If people have as much sense as geese, they would realize that ultimately, their success depends on working as a TEAM, taking turns doing the hard tasks, and sharing leadership. Geese in the rear of the formation honk to encourage those upfront to up their speed. It is important that our *“honking from behind”* be encouraging.

Otherwise, it's just - well- honking. When a goose gets sick or wounded, two other geese drop out and follow it down to help and provide protection. They stay with the unhealthy member of the flock until it is either able to fly again or dies. Then they launch out again with another passing flock o try to catch up with their own. Additional efforts, then we may be worthy of such friends in times of need!

**TEAMWORK (TOGETHER EVERYONE ACHIEVE MORE)**

*Annie Rob*

**KINROSS, Tasiast (Mauritania) – Photo Gallery – October 2024**

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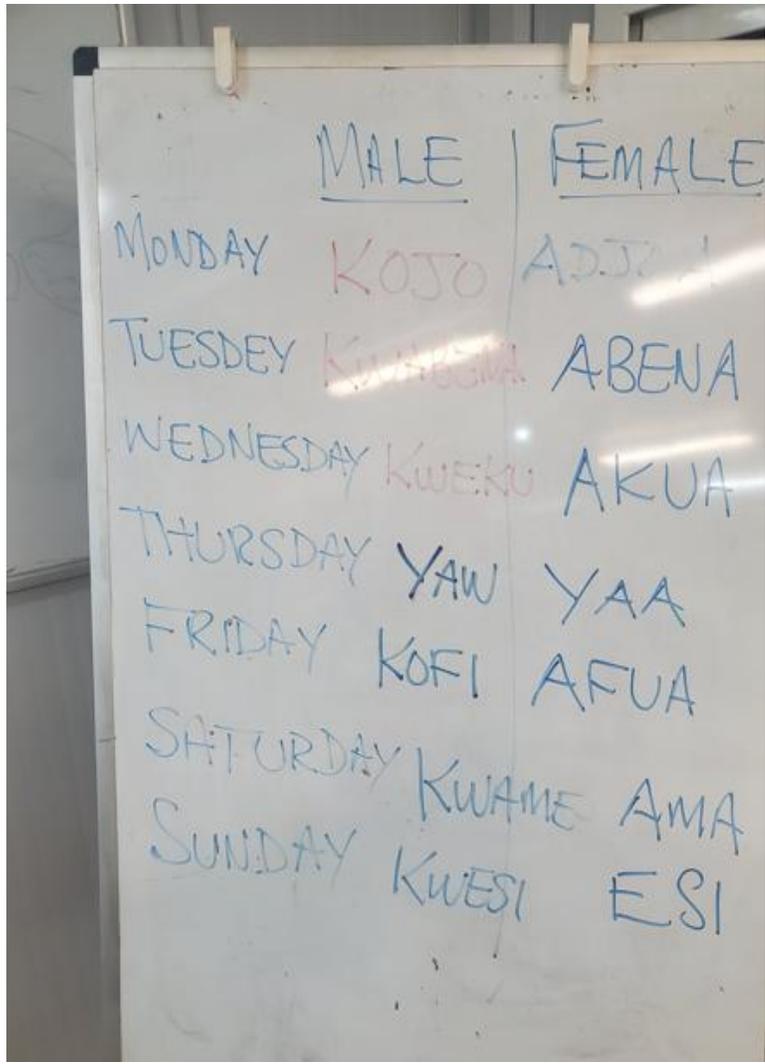
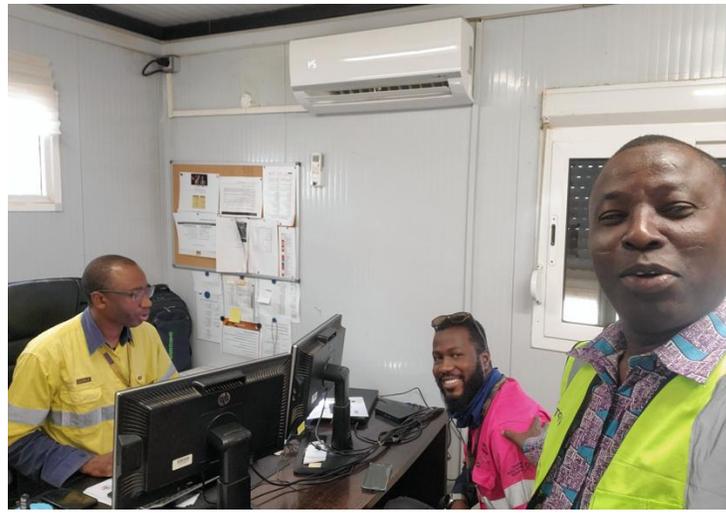
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# KINROSS, Tasiast (Mauritania) – Photo Gallery – October 2024



**KINROSS, Tasiast (Mauritania) – Photo Gallery – October 2024**

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**KINROSS Chirano (Ghana) – Photo Gallery – October 2023**

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**AM I HYDRATED?**  
Urine Color Chart

1		If your urine matches these colors, you are drinking enough fluids
2		Drink more water to get the ideal color in Shade 1 and 2.
3		Dehydrated
4		You may suffer from cramps and heat-related problems
5		Health risk! Drink more water.
6		Health risk! Drink more water.
7		Health risk! Drink more water.
8		Health risk! Drink more water.



# KINROSS Chirano (Ghana) – Photo Gallery – October 2023

**PARTNERS IN BUSINESS**



Ghana, W. Africa



Owasso, U.S.A.



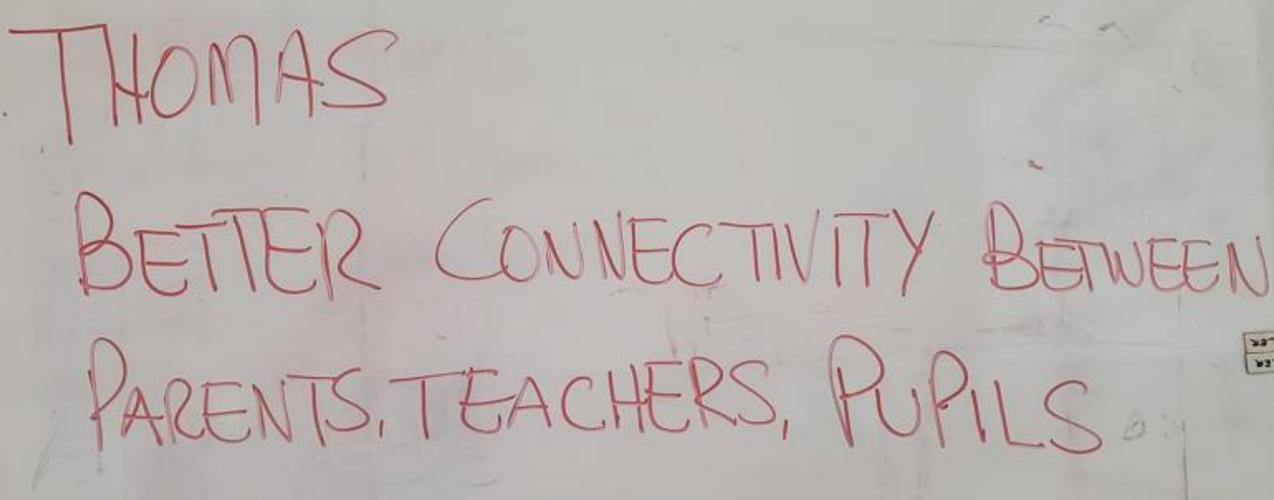
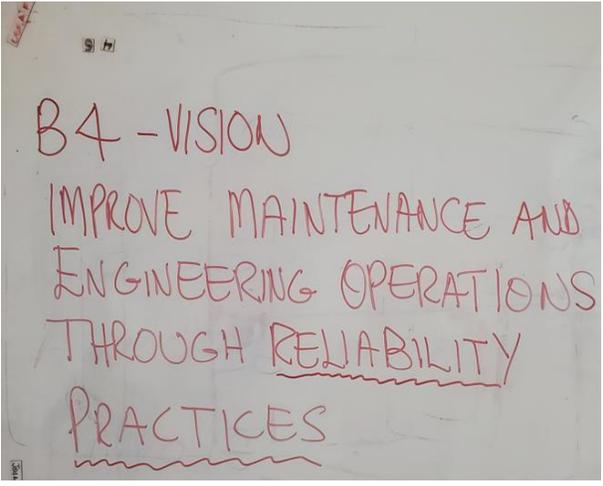
Shijiazhuang, China



Ghana, W. Africa



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# KINROSS Chirano (Ghana) – Photo Gallery – October 2023

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Owasso, U.S.A.



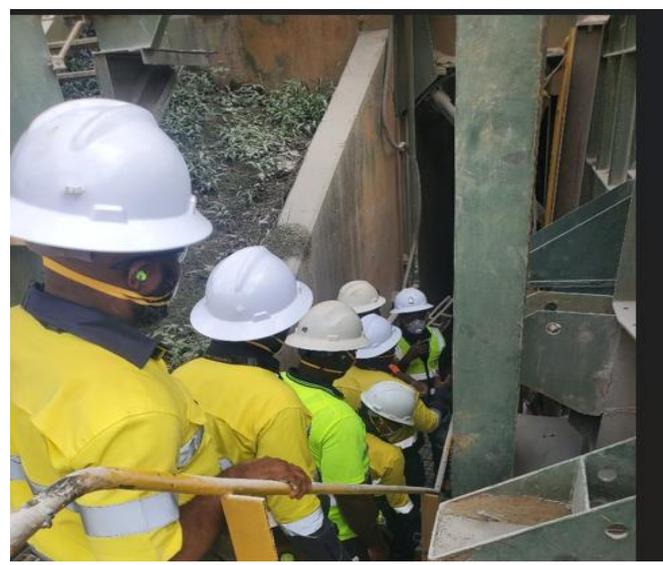
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# KINROSS Chirano (Ghana) – Photo Gallery – October 2023

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# KINROSS Chirano (Ghana) – Photo Gallery – October 2023





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# Noria Lubrication Seminar – Photo Gallery – April 2025



# Noria Lubrication Seminar – Photo Gallery – April 2025

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Shijiazhuang, China



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### Causes of Poor Air Detrainment and Foaming

- Low surface tension
  - Oxidation
  - Polar contaminants
  - Water contamination
  - Solvents
  - Certain additives
- Small (crushed) air bubbles  
*(a 2mm air bubble will rise [detrain] twice as fast as a 1mm air bubble)*
- High oil viscosity
- Too much defoamant
- Solid suspensions that seed air bubbles

**Air release Problems**

Contributes to

**Foam Tendency Problems**

Contributes to

**Foam Stability Problems**

**Stable foam**

**Poor air release**

Low surface tension enables bubbles to break apart and hang in oil

**Good foam suppression**

**Good air release**

High surface tension air bubbles stay large and rise rapidly

### Water Contamination – Additive Effects

Additive Attacked	Mode of Attack	Result
Antioxidant (phenols) ZDDP	Hydrolytic/chemical reactions with water	<ul style="list-style-type: none"> <li>• Sediment (floc)</li> <li>• Acids</li> <li>• Additive mortality</li> <li>• Hydrogen sulfide</li> </ul>
Rust inhibitor		
De-emulsifying agents	Water washing	<ul style="list-style-type: none"> <li>• Sludge</li> <li>• Sediment</li> <li>• Additive mortality</li> <li>• Bacteria</li> <li>• Poor oil/water separation</li> </ul>
Detergents and dispersants	Dielectric constant increase (oil becomes an electric conductor)	<ul style="list-style-type: none"> <li>• Loss of additive performance</li> </ul>
Borate EP		



# Noria Lubrication Seminar – Photo Gallery – April 2025

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# Business Representation (Mizztech) – Nordgold (Bissa & Bouly) Mine – September 2025

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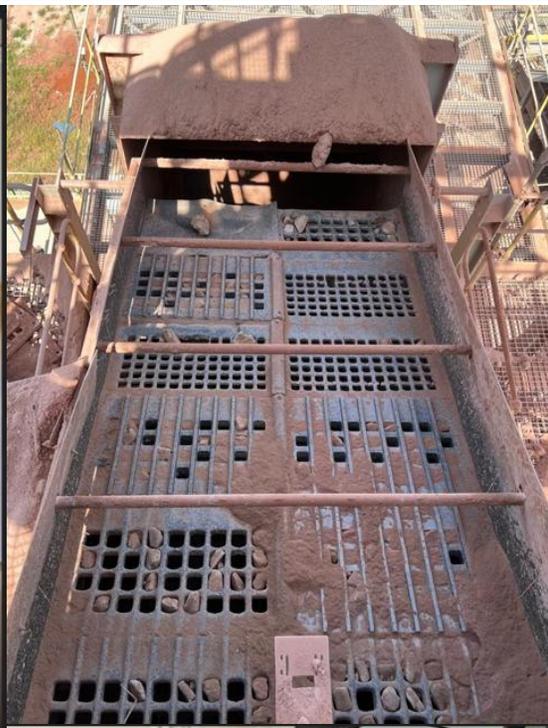


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# Business Representation (Mizztech) – Nordgold (Bissa & Bouly) Mine – September 2025



**Business Representation (Mizztech) – Marampa Iron Or Mine – November 2025**

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**Best Maintenance Practices**

- Introduction – What is a Best Practice?
- Health Adherence
- Safety Adherence
- Environmental Practices & Compliance
- Emergency Response (ER) and Evacuation
- Confined Space
- Effective Communication

**Table of Content**

- Vision, Mission and Goals
- Business Case
- Metrics and KPIs
- Effective Communication

**Table of Content**

1. Introduction
2. Benefits, Goals and Objectives
3. Productivity and The System
4. Organization
5. Planned Maintenance System
6. The PM Program
7. Computers and Information

**Table of Content**

1. Objectives
2. Introduction to Planning and Scheduling
3. Work Identification and Approval Processes
4. Work Prioritization Process
5. Work Planning Process
6. Work Scheduling Process
7. Work Execution
8. Work Documentation

**Table of Content**

- Strategy and Plans
- Corporate Responsibility
- Strategic Asset Management Plan
- Asset Knowledge
- Asset Lifecycle Management
- Decision Making
- Performance Indicators
- Continuous Improvement

**Introduction - Aci**

- Asset condition information (Aci) comprises all data, observation and condition of an asset.
- Multitude of Aci sources exist (include):
  - Vibration
  - Infrared thermography
  - Ultrasound
  - Oil analysis
  - Motor testing



# Certification Courses



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## Clients Reference:

- **Asante Chirano Gold Mine – (Ghana) – September 2025**
- **Ghana Manganese Company (Ghana) – January 2025**
- **KINROSS Tasiast Mine (Mauritania) – October & November 2024**
- **Ghana Manganese Company (Ghana) – August 2024**
- **Mizztech Industrial Equipment & Services – (China) – February 2023 & August 2024**
- **KINROSS Chirano Gold Mine – (Ghana) – October, 2023**
- **Engineers & Planners – (Ghana) – August, 2022**
- **Prestea Sankofa Gold Limited (PSGL), (Ghana) – March, 2021**