



**CHIFENG
GOLD**

GOLDEN STAR

OPERATIONAL EXCELLENCE THROUGH LANDFOLIO

**MANAGING REGULATORY
COMPLIANCE**

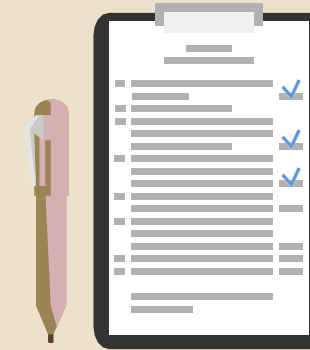
BOATEMAA HAMMOND

**CORPORATE AFFAIRS SUPERINTENDENT,
GOLDEN STAR RESOURCES**

2025 LANDFOLIO CONFERENCE | 7TH FEBRUARY 2025

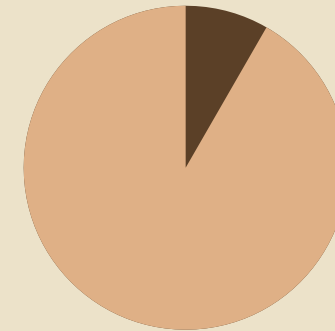
Introduction of Golden Star

GOLDEN STAR (WASSA) LIMITED (GSWL) operates the Wassa Mine in Ghana's Western Region.



MINING LEASES HELD

- Wassa mining lease
- Hwini Butre and Benso mining leases
- Several prospecting licenses



Chifeng Jilong acquired

90%
interest in GSWL
in 2022.



Transitioned from
SURFACE TO UNDERGROUND
operations in 2017

CONTEXT

Importance of efficient mineral tenure management

- Ensures compliance in safety, environmental, social, and economic areas.
- Mitigates risks of fines and reputational damage.



OVERVIEW OF LANDFOLIO IMPLEMENTATION

Initial implementation in 2021 with Spatial Dimension Canada ULC

PURPOSE

Centralized tenement and agreements management system.

Ensure compliance with safety, environmental and economic regulations.

KEY OUTCOMES:

Successfully managed all tenements without breaches.

Some business areas faced compliance issues, causing fines and delays.

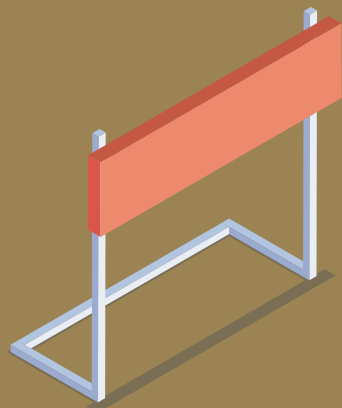


The Follow-Up Project



OBJECTIVE:

Expand Landfolio to include all other regulatory compliance documents



CHALLENGES BEFORE INTEGRATION:

- Fragmented management of permits and certificates.
- Inefficiencies and compliance



NEW INCLUSIONS

Permit types, action types, system roles, and group types.

Centralized management of

- Water rights
- Certificates and permits
- Expatriate management
- Third-party permits
- Corporate and financial obligations
- People certifications (e.g., surface mining, metallurgy).

Centralized maps, reports, and related documents.

Types of Certificates and Permits

CATEGORIES AND EXAMPLES	ENVIRONMENTAL PERMITS	SOCIAL AND COMMUNITY RELATED CERTIFICATES	HEALTH AND SAFETY PERMITS
EXPATRIATE PERMITS	PEOPLE CERTIFICATIONS	CORPORATE FINANCIAL OBLIGATIONS	OPERATIONAL LICENSES
EXPLOSIVE PERMITS	FIRE CERTIFICATES	GOLD EXPORT PERMIT	OPERATIONAL LICENSES
CYANIDE MANAGEMENT PLAN	BULK ELECTRICITY PERMITS	RADIOACTIVE MATERIALS PERMITS	MINE OPERATING PERMIT

Landfolio's Flexibility

FEATURES

- Centralized database for diverse documents.
- Tracking and reporting capabilities.
- Automated reminders for deadlines.

CUSTOMIZATIONS

- Unique work flows for permit types.
- Integration of maps, reports, and certifications.
- Role-based access and permissions.

Implementation Process



STEPS TAKEN

1. Workflow design workshops.
2. Creation of workflow diagrams with stakeholder input.
3. Configuration and testing of workflows in Landfolio.
4. Documentation of business processes.

• **STAKEHOLDER COLLABORATION**

- Internal teams: Compliance and operations.
- External regulators and Spatial Dimension consultants.

Key Benefits



EFFICIENCY AND COMPLIANCE

- Streamlined permit and obligation management.
- Centralized repository for all documentation

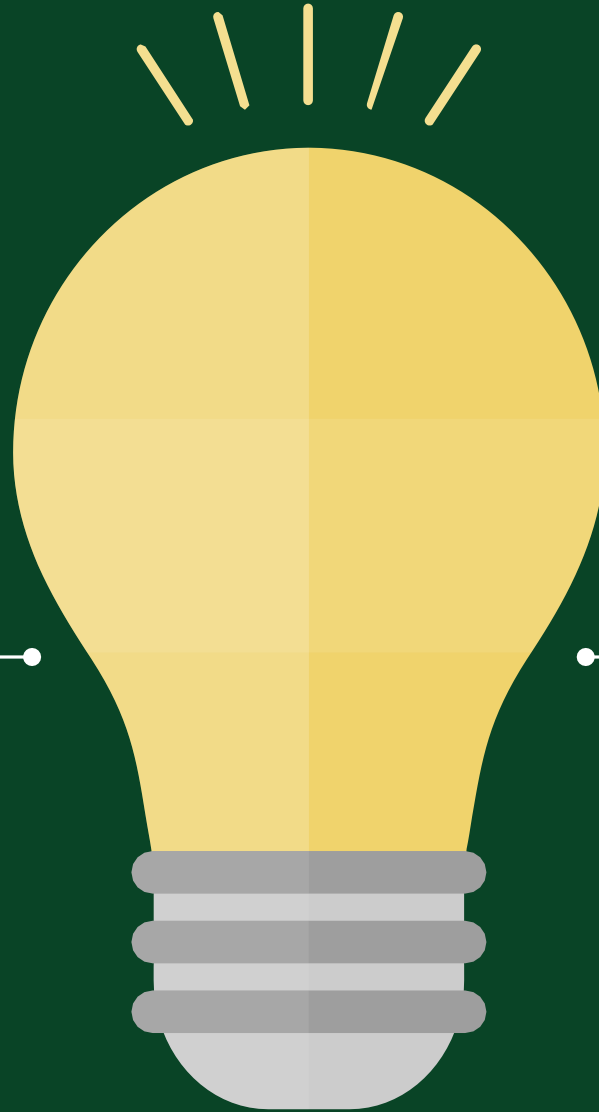
REAL-LIFE EXAMPLES

- Fewer compliance breaches.
- Improved timelines.

Lessons Learned

INSIGHTS

- Early stakeholder involvement ensures smoother implementation.
- Clear communication of roles and responsibilities is critical.



CHALLENGES & RESOLUTIONS

- **Challenge:** Limited familiarity with workflows.
- **Resolution:** Comprehensive training sessions.
- **Challenge:** Integration of legacy data.
- **Resolution:** Manual data entry and validation.

Conclusion



RECAP

Landfolio comprehensively manages mineral tenure and peripheral documents.

Ensures compliance and operational efficiency.

FUTURE PROSPECTS

Continuous optimization of Landfolio's features.

Potential integration with other systems for enhanced decision-making



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