

In collaboration with



Syntex Technologies
Synergy to Excel

Dennis Tsanga | Acting Managing Director
Syntex Technologies Namibia

FEBRUARY 2019

Project Update
Ministry of Mines and Energy (MME), Namibia.

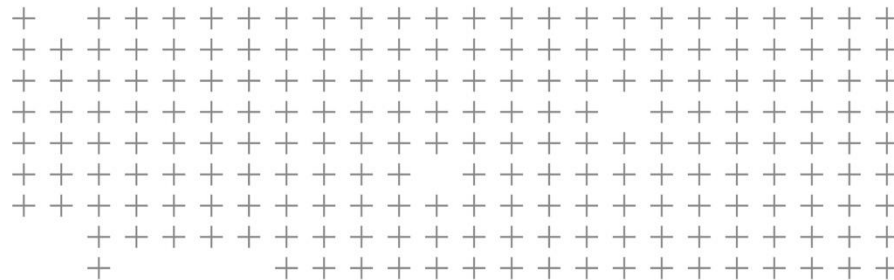




Agenda



- History of Landfolio at Ministry of Mines and Energy Namibia
- Upgrade and Extension of Landfolio to other directorates
- Challenges faced
- Future plans



TRANSFORMING THE WAY THE WORLD WORKS

+ Synergy to excel = **Winning Formula**

History of Landfolio at Ministry of Mines and Energy Namibia



Background

- Landfolio (then FlexCadstre) was initially implemented in Mines Directorate in 2014.
- An extension project to the successful implementation of Landfolio to include two additional directorates – Directorate of Petroleum Affairs and the Directorate of Diamond Affairs was approved in May 2018
- The upgrade and extension project commenced on the 4th of June 2018.



Objectives

- Upgrading to the latest version of the solution ‘Landfolio’
- Addressing the management of all upstream and downstream licensing and permitting activities for the Directorate of Petroleum Affairs.
- Addressing and managing all licensing and permitting activities and reporting requirements for the Directorate of Diamond Affairs
- Configuration of Landfolio Reporting Dashboard for Mines Directorate
- Post implementation support and services

Implementation Timeline (5 months)

- Inception, Upgrade & Maintenance Phase: 4 weeks
- Business Mapping & Design Phase: 4 weeks
- Pre-Production System Phase: 6 weeks
- Training and User Acceptance Phase: 4 weeks
- Go-Live Phase: 2 weeks
- Post Go-Live Support (handholding) Phase: 4 weeks

(4th of June 2018 to 1st of November 2018)

Lessons to Goals

- Pain areas in Directorate Of Petroleum Affairs & Directorate Of Diamond Affairs:
 - Upstream and downstream licensing and permitting processes were recorded and managed by making use of a **paper-based register** accompanied by **Excel spreadsheet**
 - Inefficiencies and risk inherent in manual processing of licenses and permits were a detrimental business factor to the Ministry
 - Data input cumbersome
 - Data in, nothing out...

Requirements Gathering

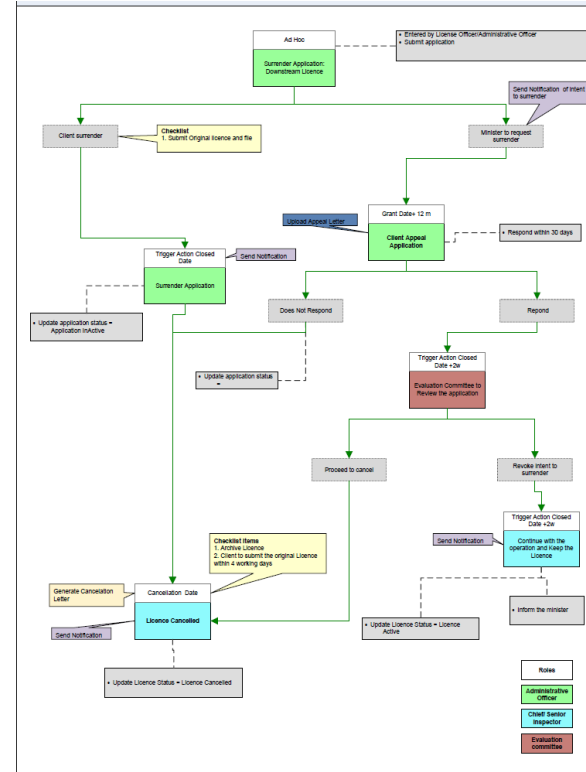
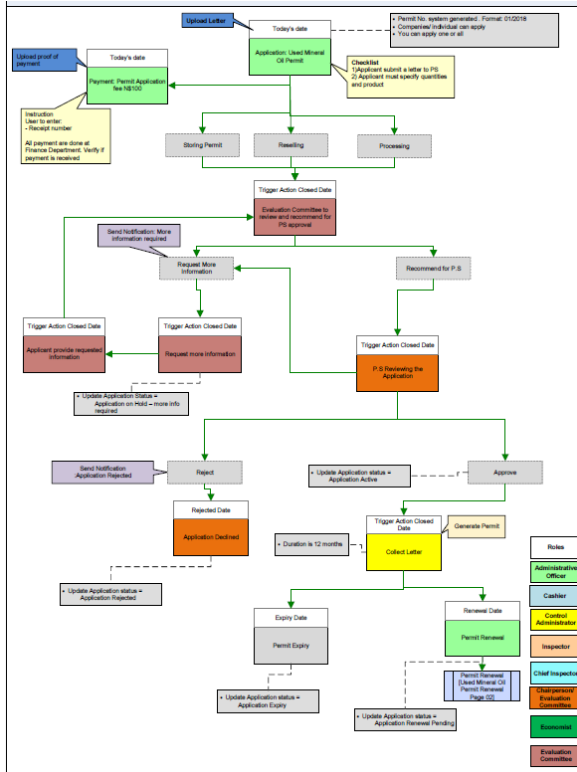
- Essential for input to the Business Mapping & Design Document



Objects Managed Through Landfolio

- **Directorate of Petroleum Affairs**
- **Upstream licenses:-**
 - Reconnaissance Licenses
 - Drill and Exploration Licenses
 - Production Licenses
- **Downstream licenses and permits:-**
 - Wholesale Licenses
 - Retail Licenses
 - Supply and Distribution Licenses
 - Used Oil Permits

Sample Processes in Petroleum Directorate



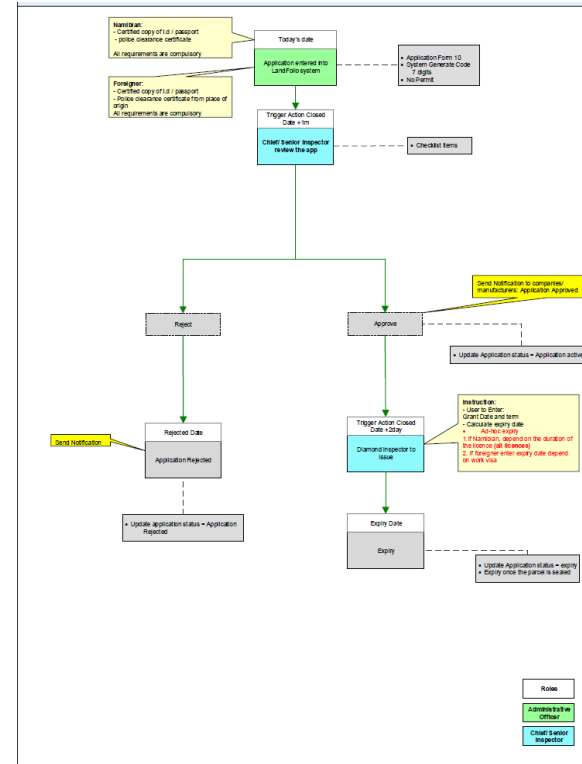
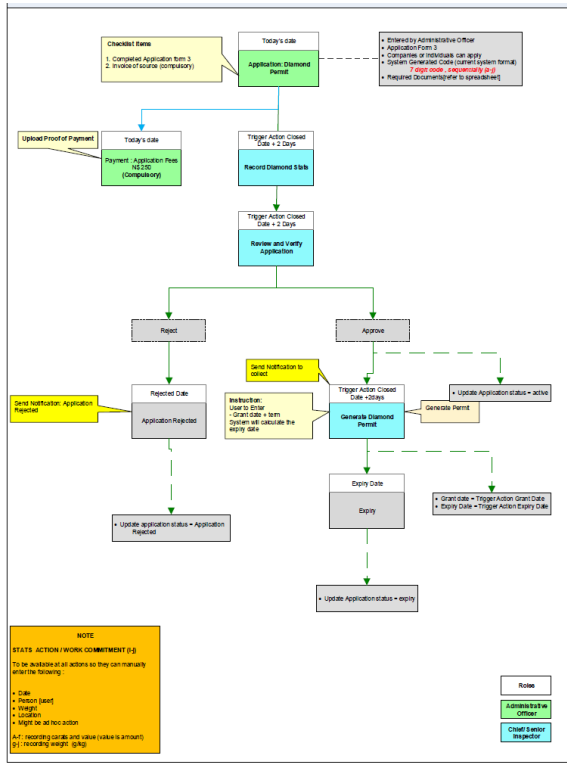
Objects Managed Through Landfolio

- Directorate of Diamond Affairs
- Licenses
 - Cutters and Polishing License
 - Dealer License
 - Toolmaker License
 - Research License
- Permits
 - To receive diamonds, to import/export diamonds, remove gravel from mining site, etc
 - 27K Permits – to work in restricted areas

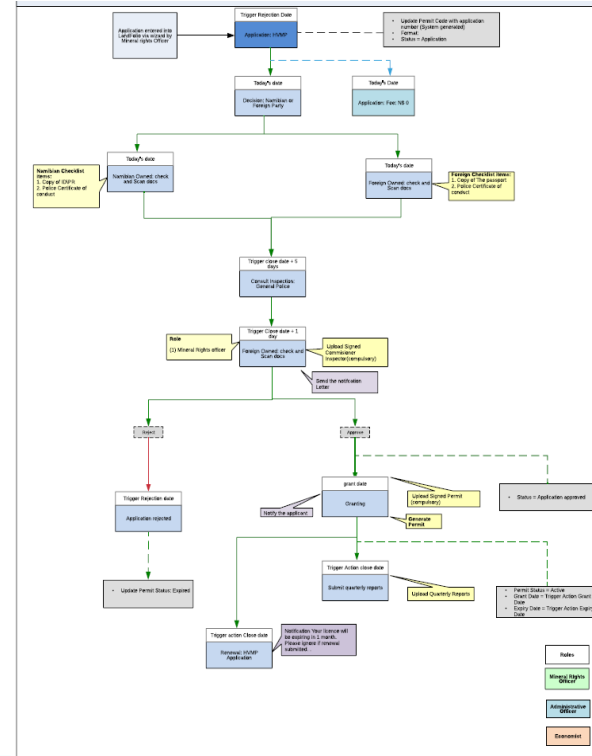
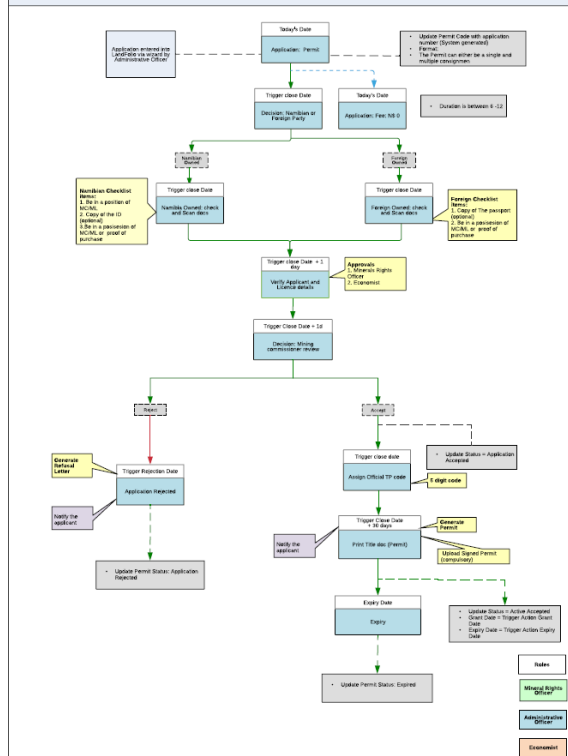


In addressing the management needs for such licenses and permits, the Directorate is assured of effective and efficient control of handling and transport of rough diamonds. And, thus the compliance with the Kimberly Process.

Sample Processes in Diamond Directorate



Sample Processes Revised in Mines Directorate



PREVIOUS FLEXICADASTRE SYSTEM

Search Home

Warning: See errors in FlexiCadastré Diagnostic Report
Warning: See list of failed back end process requests

Recently Accessed
There are 37 Results in the list.
1 2 3 4 5 6 7 8

Type	Name	Description
Action	Shape Validation: Application on EPL-5731 (5731)	Shape Validation: Application (Validation shape is invalid, Result shape is valid)
License	EPL-5731 (5731)	Namibia, Exclusive Prospecting Licence, Active
Action	Shape Validation: Application on EPL-5731 (5731)	Shape Validation: Application (Validation shape is valid, Result shape is valid)
License	EPL- (6453)	Namibia, Exclusive Prospecting Licence, Application
License	Test-954	Namibia, Test Areas, Pre-Application

1 2 3 4 5 6 7 8

License Summary

License Type Group	Application	Active	Inactive
Claims	758	834	5
Exploration	811	1336	4987
Mining	40	151	1

Action Summary

Actions	All Actions	My Actions
Overdue:	15682	0
Due today:	1	0
Due this week:	42	0

I want to...

- Add a License
- Add a new Exclusive Prospecting Licence
- Add a new Mineral Deposit Retention Licence
- Add a new Mining Claim
- Add a new Mining Licence
- Add a new Non-Exclusive Prospecting Licence
- Add a new Reconnaissance Licence
- Test a New Area

I want to...

- Schedule New Action
- Add a Penalty Fee
- Cancel a Licence
- Change Commodity or Increase Size
- Decrease Licence Size
- Discovery of EV Mineral Reported
- Put Licence on Hold
- Relinquish a Licence
- Renew an NEPL
- Take Licence Off Hold
- Transfer a MC
- Transfer a ML / EPL / RL / MDRL
- Withdraw an Application

My Reports

View	Name	Report Type
	vh cg	License Search

NEW LANDFOLIO - MODERN EASY TO USER INTERFACE

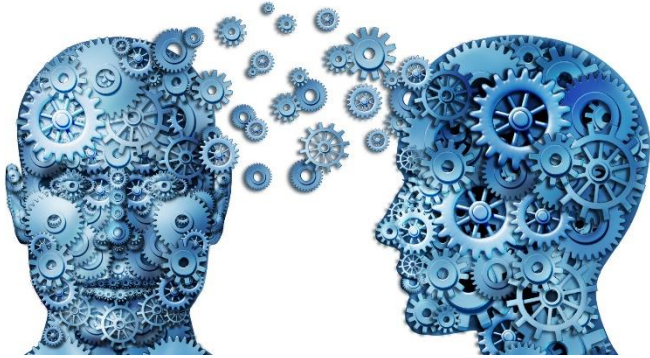
The screenshot displays the Trimble Landfolio web interface. On the left is a navigation menu with categories: Home, Licenses (sub-items: Claims, Diamonds, Exploration, Mines Permit, Mining, Petroleum Downstream, Petroleum Upstream), Agreements (sub-item: Hydrocarbon Blocks), Commodity Groups, Actions, Approvals, **Maps** (highlighted), Reports, Documents, Companies, People, My Settings, Admin Tools, and Help. The main area shows a map of Namibia with various colored overlays representing different land parcels and licenses. A search bar is at the top left, and a scale bar (0-300km) is at the bottom left. On the right is a legend panel with the following sections:

- Hydrocarbon Blocks**
 - Hydrocarbon Blocks
- Licenses**
 - PL - Active
 - PL - Application
 - RECL - Application
 - RECL - Active
 - PEL - Application
 - PEL - Active
 - EPL - Application
 - EPL - Active
 - ML - Application
 - ML - Active
 - MC - Application
 - MC - Active
 - ERL - Application
 - ERL - Active
 - RL - Application
 - RL - Active
 - MDRL - Application
 - MDRL - Active
- Admin**
 - Withdrawn Area
 - Farms
 - Environmentally Sensitive Areas

At the bottom right of the legend, the coordinates -908816 1374677 are displayed. The interface also includes a search bar at the top left, a home button, and a user profile/sign out button at the top right.

Training and Skills Transfer

- During the project and prior to Go-Live



HIGH LEVEL BENEFITS INCLUDE

- ❑ More secure and transparent processes
- ❑ Streamlines processes to validate applications and renewals
- ❑ Extractive Industries Transparency Initiative (EITI) reporting
- ❑ Advanced approvals, escalation and notification framework
- ❑ Web portal for global oversight and reporting of land assets
- ❑ Advanced GIS component enables map visualization, selection and validation of coordinates, restricted areas, etc.
- ❑ Task management and configurable workflows and business rules that reflect business processes
- ❑ Seamless integration with other enterprise systems

Interview with the Mining Commissioner and Deputy Permanent Secretary

MR ERASMUS SHIVOLO

- What were the overall aims and objectives of the project to the Ministry
- What enhancements have been brought about by the upgrade



Ministry of Mines and Energy

Interview with the Diamond Commissioner

MRS MIINA AUENE-GAHUTU

- What were the objectives for the Directorate of Diamond Affairs going into the project
- How has Landfolio improved operations for the Directorate of Diamond affairs



Interview with the Petroleum Commissioner

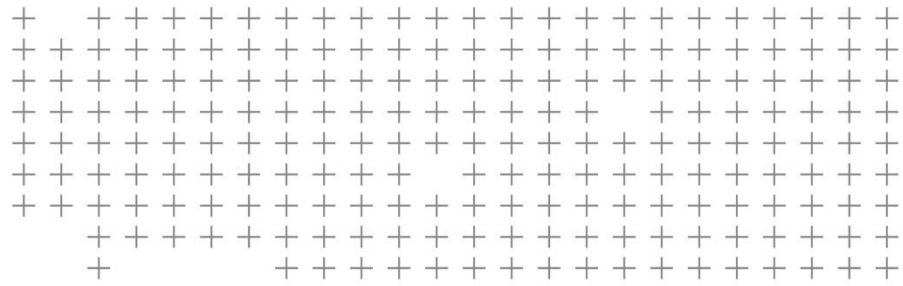
MRS MAGGY SHIINO

- What are some of the specific benefits you were looking to gain with introducing Landfolio in the Petroleum Directorate
- What do these benefits mean for your external customers and stakeholders



Statistics since inception and Go-Live

- +/- **63** users in total. Up from 30 users
- +/- **3700** licenses managed by Landfolio
- +/- **83** permits managed by Landfolio



Challenges faced during implementation and how they were handled

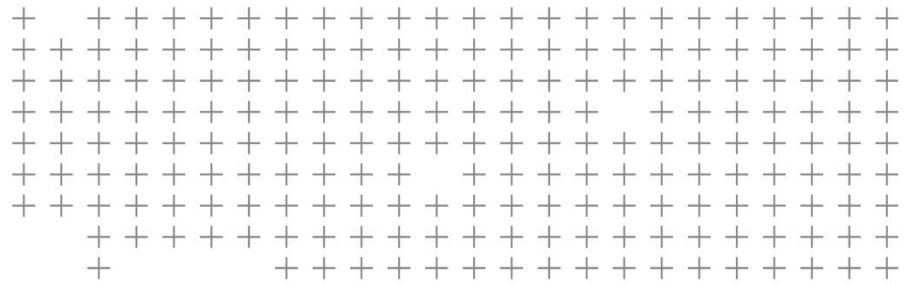
Major Challenges And How They Were Handled During The Project

□ Challenges

- Availability of key staff
- Involvement of all necessary stakeholders
- Availability of clean data for import

□ Strategy

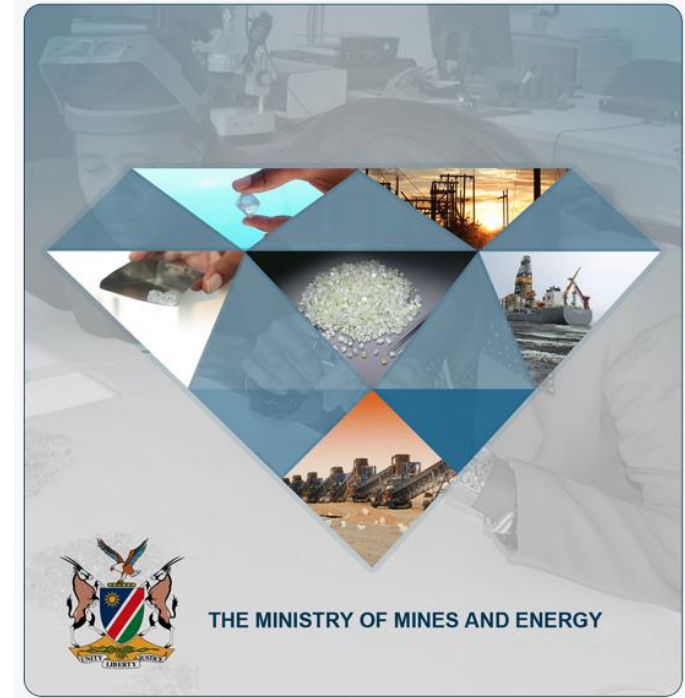
- Flexibility in scheduling with governing deadlines
- Grouped and centralized communication
- Prioritization and availing of additional resources



 **Future**

Extend Landfolio to another department


- Directorate of Energy
 - Upstream Processes **EXPLORATION, PRODUCTION & PROMOTION**
 - Downstream Processes **ENERGY SUPPLY & DISTRIBUTION**



Landfolio e-Government Portal


Rights holders & registered stakeholders
End-to-end business processes
Improved revenue collection & compliance





Ministry of Mining

Mining Cadastre Portal



Licence Portfolio

- All Licences
- Applications
- Active Licences
- Inactive Licences
- Pending Verification

Licence Management

- Apply for New Licence

Profile

- Edit My Details
- Edit Company Details
- Sign Out

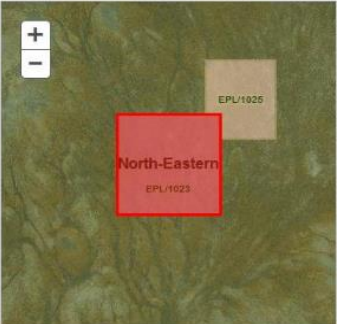
External Links

- Mining Cadastre Map
- Madini Facebook
- Madini Twitter
- Share on Social Media

Licence Summary

Code	EPL/1023
Type	Exclusive Prospecting License
Status	Active
Owner	Test Company Ltd
Application Date	22/01/2015
Granting Date	07/04/2015
Expiry Date	06/04/2018
Commodities	COAL
Location	North-Eastern, Wajir
Official Area	17.1117 km ²

[Coordinates](#)



Licence Data Verification: Submit Verification Response

Verify licence data [Submit](#)

Submit Proof of Payment

Due Date	Description	Link
06/07/2017	Report: Quarterly	Submit
06/10/2017	Report: Quarterly	Submit
06/01/2018	Report: Quarterly	Submit

Pending Laws and the Portal

- Electronic Transaction and cyber-crime Act (Bill).
 - **Latest status:**
 - The bill was well received. However Amendments done and returned to cabinet

BILL

To provide for a general framework for the promotion of the use of electronic transactions in government services and private contracts; to provide for the legal recognition of electronic transactions; to provide for the admission of electronic evidence; to provide for consumer protection in electronic commerce; to regulate the liability of service providers for actions of their clients; to provide for the protection of critical and important data; to create certain offences; to create certain powers for the investigation of offences and to provide for matters incidental thereto.

(Introduced by the Minister of Information Communications and technology)

Thank you...

