

## STRIKE - Spatial Territory Resource Information Kit for Exploration

November 2015

Sustainable development of the Northern Territory's (NT) natural endowment of mineral and energy resources is a key element of the NT Government's strategic plan Framing the Future and its goal of a prosperous economy and regional development. The four-year \$23.8 million Creating Opportunities for Resource Exploration (CORE) program is the largest investment ever made by the Territory Government in supporting and growing exploration and specifically targets the acquisition and dissemination of pre-competitive geoscientific information for the NT resource investment attraction.

The purpose of the STRIKE project was twofold. First, it improves the way in which current and prospective DME clients and industry investors could search and retrieve publicly available geoscience and resource titles information relating to the NT. Second, it eliminates the risks associated with the retention and support of redundant and legacy systems.



In November 2014, the NT Government's Department of Mines and Energy (DME) in partnership with Cohga released a new system based on Weave to replace its legacy legislative and public mineral and energy tenure register (Titles Information System) and a technically redundant, geoscience web mapping system. Both systems had been in operation for nearly a decade and were cumbersome and increasingly difficult to maintain, and represented a significant technical barrier to realising productivity and efficiency goals.

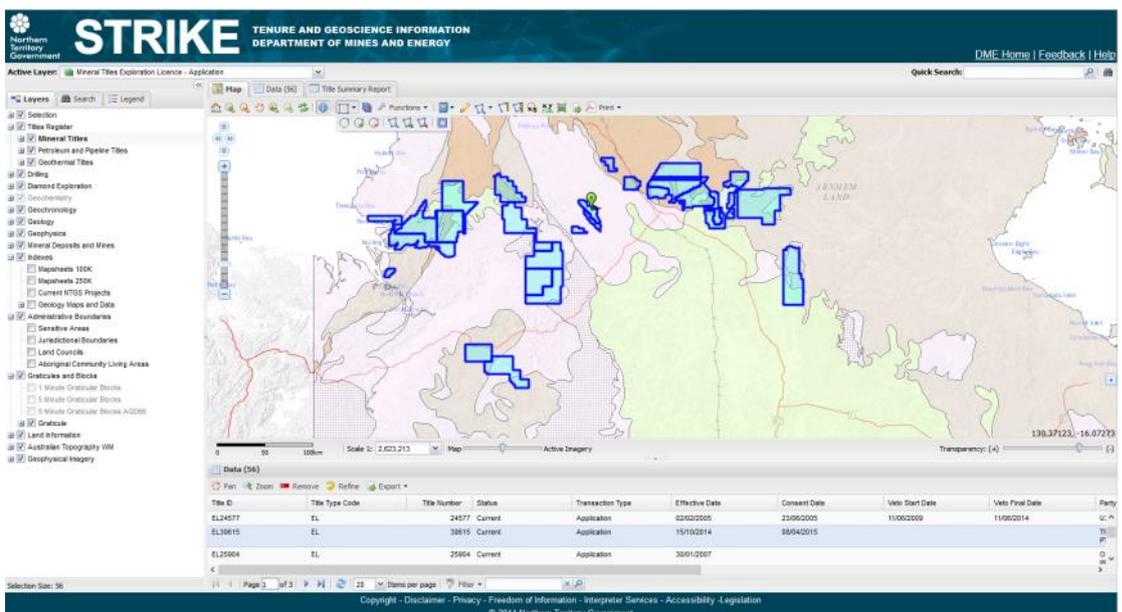
In addition to the contemporary look and feel, the new platform has enabled a further level of integration between source components. STRIKE now serves as a navigation tool that allows users to quickly explore, in a unified way, historical mining information (textual and graphical) from publicly available mining reports submitted by companies as part of their legislative reporting requirements.



**Weave** is a business integration framework for rapidly combining disparate information systems in an easy to use environment. It is based on open systems technology and it is independent from vendor-specific technologies and proprietary application programming interfaces

### About Cohga

Cohga is a company with a focus on the development of systems integration products and the provision of associated professional services. Our philosophy is to use Open, State of the Art, and vendor independent technology to create products and solutions that meet and exceed client



Title ID	Title Type Code	Title Number	Status	Transaction Type	Effective Date	Consent Date	Valid Start Date	Valid Final Date	Party
EL24577	EL	24577	Current	Application	03/02/2005	23/05/2005	15/06/2009	11/09/2014	IC
EL30615	EL	30615	Current	Application	15/10/2014	08/04/2015			TS
EL25954	EL	25954	Current	Application	30/01/2007				IP

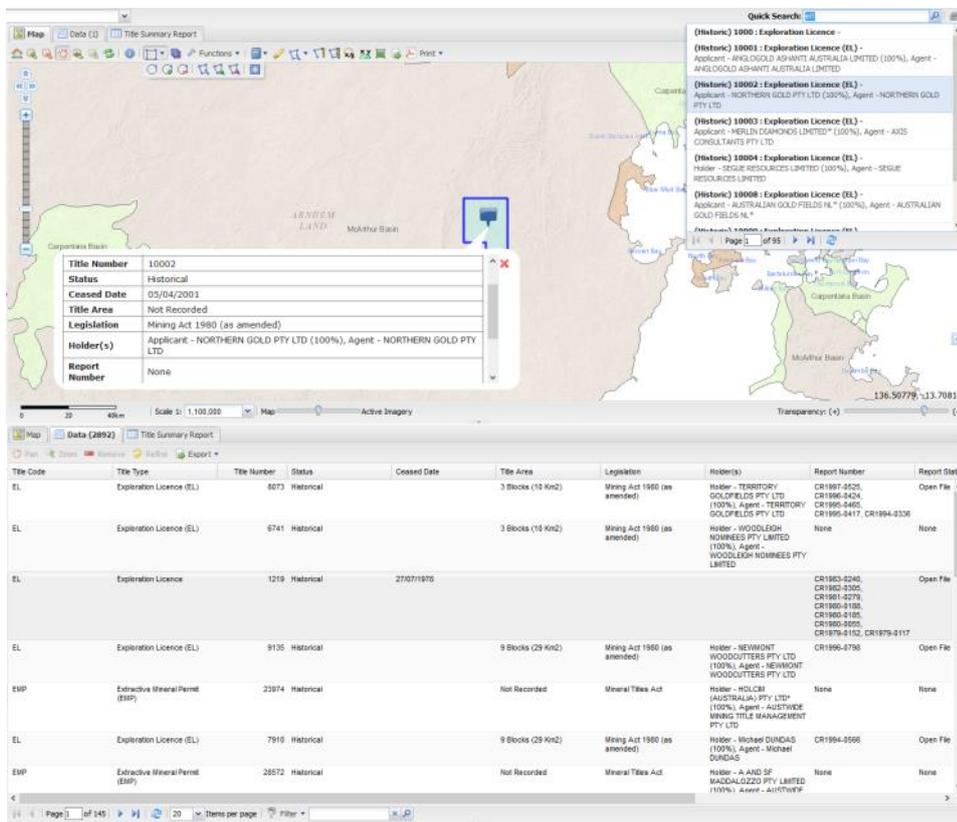
The project also marked a new level of collaboration between numerous NT Government departments to co-deliver relevant spatial and ancillary information between agencies for the efficient delivery of services to the public, while also fostering and encouraging resource-led exploration investment in the NT.

The work assisted in rationalising, restructuring and streamlining internal data repositories to realise business efficiencies. Greater awareness and transparency of data flows and data management practices throughout the department and the purposes for which the information is used, have assisted DME custodial staff in realigning business processes to better and more efficiently manage their datasets.

By exposing the NT Placenames Register through Weave's Quick Search function, frontline staff have seen a reduction in location based enquiries (for example, where is Plenty Bore and what tenements exist?) as clients can easily answer these questions without the assistance of frontline staff. The systems integrated through Weave are now the single points of truth for their respective information, eliminating the need for data replication. Frontline staff can now spend their time on a broader and a more diverse range of enquiries in a shorter timeframe with a focus on information understanding and quality and improvements in other areas of service delivery.



While front counter services remain for the benefit of DME's walk-in clients, the ability for interstate and international clients



*Users quickly explore historical mining information*

to quickly and efficiently search, navigate and retrieve spatial and textual data of interest from their desktop has been extremely well received.

STRIKE has been in operation for more than a year and has been positively received by NT Government and the Territory's resources and energy industry. It has directly contributed to significantly improving collaboration between business divisions within DME and contributed to the incremental improvement of data integrity.

The current design and proposed future strategic enhancements for STRIKE will aid in positioning the NT as a preferred destination for competing mineral and energy resource investment by efficiently delivering reliable geoscientific, occupancy, compliance and monitoring information to clients.

The STRIKE implementation project was expediently completed in November 2015 after only 6 months of work. The obsolescence horizon of the STRIKE system has not been set,

as its architecture enables the system to be continually updated and enhanced with minimal effort and no service disruption as strategic and operational business needs dictate, so there is currently no planned successor.



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