Geodynamics and Gulkula Mining Company announce Joint Venture

Geodynamics announced on 3 September 2012 that it had signed a Heads of Agreement (HoA) with Gulkula Mining to enter into a Joint Venture (JV) to investigate the potential for a direct heat geothermal project within Geothermal Exploration Permit (GEP) 28310 on the Gove Peninsula, Northern Territory. Gulkula Mining Company is a wholly owned subsidiary of Gumatj Corporation Ltd which is the commercial arm of the Gumatj clan, who are the traditional owners of land within GEP 28310.

Under the terms of the HoA, Geodynamics and Gulkula Mining will form a 50 / 50 joint venture with Geodynamics as the operator of the JV. The JV will investigate the potential to deliver heat to the Rio Tinto owned Pacific Aluminium alumina refinery, focusing on Gumatj land that is adjacent to the refinery. The use of geothermal generated direct heat would allow Pacific Aluminium to reduce fuel oil consumption and carbon emissions and has potential to deliver improved long term operating cost and enhanced sustainability for the bauxite refinery at Gove.

Initial exploration studies have identified the presence of potentially high heat producing granite formations on the Gove Peninsula that may host a commercially viable large scale direct heat resource. These granites are shallower and lower temperature than the granite formations Geodynamics has been developing at Innamincka in the Cooper Basin, South Australia, but will allow Geodynamics to apply the skills and leverage experience gained from the Company’s Enhanced Geothermal Systems (EGS) geothermal project to this new opportunity.

Source: geodynamics.com.au

Stats

September 2012*
Number of enquiries processed: 487
Total estimated value: $301.084 million
Number of NT nominations: 756
Number of new NT companies registered: 35
*Figures only for 1–30 Sept 2012

Contact

ICN Northern Territory  
6b/1450 Stuart Highway  
cnr Winnellie Rd & Hickman St  
Winnellie, Northern Territory  
GPO Box 1882 Darwin,  
NT Australia 0801

Phone +61 8 8922 9422  
Fax +61 8 8922 9430

www.icnnt.org.au

Developing New Petroleum Industries

The Minister for Mines and Energy, Willem Westra van Holthe, says the Country Liberals Government supports the development of the unconventional shale oil and gas industry in the Territory.

Mr Westra van Holthe says with petroleum exploration applications now covering over 90 per cent of the Northern Territory, there is a very real opportunity to see new projects develop.

“The development of the shale oil and gas industry, under the proper regulatory frameworks, could result in significant economic benefits for the Territory through royalties and employment opportunities”, Mr Westra van Holthe said.

“The Department has already issued approvals for horizontal stimulation to begin at two wells operated by PetroFrontier in the Southern Georgina Basin, approximately 500km north-east of Alice Springs.

“This emerging industry can involve the horizontal stimulation of wells to allow the oil and gas found in shale to be extracted.

“I am confident that we have the necessary procedures and regulations in place to ensure that best practice standards are utilised during any unconventional shale oil and gas activity.

“It is estimated from geological information that the onshore potential of unconventional shale oil and gas reserves in the Territory are in the order of 200-trillion cubic feet (Tcf).

“To put this in to context of potential development opportunities, a discovery of over 2-Tcf could be considered commercially viable for production.

Source: newsroom.nt.gov.au
INPEX Ichthys Project
This month has seen opportunities listed against the below Ichthys related projects. Click the project heading to be redirected to ICN Gateway to view these opportunities.

**Ichthys Accommodation Village**
Awarded to Laing O’Rourke

**Ichthys Central Processing Facility (CPF)**
Awarded to Samsung Heavy Industries

**Ichthys LNG Project**
Managed by INPEX

**Ichthys Subsea, Umbilicals, Risers, and Flowlines (SURF) EPCI**
Awarded to McDermott Australia

**Ichthys Floating Production Storage & Offloading Facility (FPSO)**
Awarded to Daewoo Shipbuilding & Marine

Shell
Farstad Shipping has taken delivery of one of its three platform supply vessels that will support Shell’s Prelude drilling campaign off Western Australia. The Norwegian vessel owner said the PSV Far Skimmer had been delivered from STX OSV Vung Tau in Vietnam.

Source: [www.upstreamonline.com](http://www.upstreamonline.com)

**Mt Todd**
The Batman deposit is now estimated to contain 7.01 million ounces of gold in the Measured and Indicated categories and 2.09 million ounces in the Inferred category. The drilling program is ongoing and new results are expected to be included in a further updated resource estimate that will be the basis for a feasibility study, which the Company expects to release in early 2013.

Source: PR Newswire ([http://s.tt/1mqsO](http://s.tt/1mqsO))

**Abattoir**
The wet season may prevent AAco from building its proposed abattoir until May next year. While the principal builder for the project, 50 kilometres south of Darwin, due to be appointed soon, a final investment decision from AAco’s board could still be months away.

Source: [www.abc.net.au](http://www.abc.net.au)

**CDU Menzies Building**
Site work for a multi-million-dollar Menzies School of Health Research facility will begin on Casuarina campus this month. The complex is part of a $45.7 million expansion of Menzies, which also includes a new building and upgrade of Menzies’ existing facility at Royal Darwin Hospital. The CDU building is expected to be completed by September 2013.

Source: [www.cdu.edu.au](http://www.cdu.edu.au)

**Marine Supply Base**
Macmahon continue to carry out ground work on site. The recent work comprised of footings for the warehouse, floodlighting and toilet block, together with pouring the warehouse slab and the excavation and construction of pipework ducts between the mud plant and quayside. Visit darwinmsb.icn.org.au to review the recently uploaded Mud Plant SOW.

**SIHIP**
As at 31 August 2012, work had been undertaken in 58 communities and a number of town camps and continued in 8 remote communities. At that time, 100 Indigenous people were also employed in the delivery of SIHIP. Across the Territory 2458 refurbs and rebuilds were complete and 8 were underway. A total of 697 new houses had been built and work was continuing on the construction of another 35.

**Tenax Energy**
Power and Water has signed a Memorandum of Understanding with Tenax Energy to build a 2MW tidal energy plant and tidal energy testing centre. The move brings a tropical tidal energy supply for the Top End a step closer.


As at 30 September 2012, 10,267 company registrations had been received for the Ichthys project, NT companies had received 4,942 nominations and total ANZ nominations were at 9,110. There are currently 200 packages marked as Awarded on ICN Gateway.

Construction is ramping up and some of what has been happening over the last month includes:

**Blaydin Point**
- Ongoing ground improvements for the Module Offloading Facility causeway
- Ongoing upgrading of Wickham Point Road Intersection

**Howard Springs Accommodation Village**
- Works have begun on the sewerage pump station near Stow Road.
- Steel work is now being erected for the Village’s central facilities

Source: [Community Bulletin #23](http://ichthysproject.com)
NT Fasteners are holding a "Milwaukee/Kincrome blitz day". There will be an all day BBQ & soft drinks available with a local radio station broadcasting on site, heaps of product specials, interstate company representatives on site for all technical advice. Giveaways & lucky door prizes.

When: Friday 12th of October 2012
Where: NT Fasteners, Lot 4920 College Road, Berrimah.
Contact Bill Sullivan on p. 08 8947 7100 or e. bill.sullivan@ntfasteners.com.au for further information.

Monsta Crane Hire opened their doors in Winnellie in 2008 with one MAC 25T Franna crane, since then Monsta has grown into a fleet of seven mobile cranes and 20 plus employees.

Monsta service the greater Darwin area with crane and rigging services and has recently expanded its operations to include services to mine sites and remote area projects such as Xstratas’ McArthur River Mine phase 2 & 3 expansion.

This growth in operations meant Monsta’s current premises were no longer adequate and they moved into a new premises, still in Winnellie, in June 2012. The new location, approximately five (5) times the size of the old, allows for further expansion of the business and assists in the ability to maintain and service their equipment and meet the logistical requirements of their remote area workforce.

Monsta have also recently added to their fleet a 9150E (135t) Grove, Rough Terrain slew crane and are in the process of acquiring the 9150E’s little brother, the 890E (80t) Rough Terrain slew crane. These new acquisitions bring an opportunity to expand the ‘dry hire’ arm of the business as well as the current services and capabilities that Monsta provide.

The Grove 9150E is the largest rough terrain crane in Manitowoc’s product line and the largest R/T crane in production. Its 60m boom is the longest on any current production rough terrain crane. The Grove 9150E Rough Terrain is quite special in the fact that it is currently only one of two cranes in Australia.

Monsta’s fleet now consists of an 18T Franna, 3 MAC 25T Frannas, an 80 T Liebherr all terrain crane and the latest acquisition and flagship of the company, being a 9150E (135t) Grove, Rough Terrain slew crane with the 890E (80t) soon to follow.
October Business Month has begun!

October Business Month (OBM) is back again and this year has another exciting line up of speakers and professional development opportunities for Northern Territory businesses. Now in its 18th year, more than 100 business events are scheduled across the Territory.

Heading this year’s line up of speakers is former Australian cricketer and McGrath Foundation Chairman, Glenn McGrath, who will speak about the highs and lows of professional sport, and his advice for maintaining motivation and succeeding under pressure.

For a full list of keynote speakers and calendar of events visit the OBM website www.nt.gov.au/obm. To keep up to date with all the latest on what is happening with OBM like OBM on Facebook, and follow OBM on Twitter.

SNIP’ITS EnergyNewsBulletin.net

Tangiers Petroleum has been questioned by the Australian Securities Exchange. The exchange wants to know how Tangiers shares went from 31c to 40c within the space of a week. Tangiers told the exchange it did not know why the shares shot up. However, it did note that it had received proposals for potential farm-out deals but these proposals had not yet been considered by the board.

Austin Exploration and Beach Energy will finally be able to get to work on PEL 105 in the Cooper Basin, with Beach telling its joint venture partner that the Pirie-1 well will be spud during the first quarter of 2013. The pair have been unable to do anything on the permit since 2009 as a result of extensive flooding in the area. Under an original JV agreement, on a p50 basis, Armour Energy has terminated the agreement with its drilling contractor in the NT on the basis that the contractor was unable to satisfactorily remedy matters relating to the performance of its obligations under the agreement. Armour Energy is negotiating another drilling contract and in the meantime is reassessing existing targets and upgrading the resource status.

SNIP’ITS MiningNews.net

COLORADO-based Vista Gold Corp has boosted resources at the Mt Todd gold project in the Northern Territory to over nine million ounces. The company increased the measured and indicated resources at the Batman deposit by 17% or over 1Moz to 261 million tonnes at 0.8 grams per tonne gold for 7.01Moz gold, with a further 2.09Moz in the inferred category.

Australian rare earths company Arafura Resources has received $9.9 million from its major shareholder ECE Nolans Investment Company which has agreed to subscribe for 45.3 million shares at 22c each. Arafura is progressing with the Nolans project feasibility study which so far has developed a base case for a mine and concentrator at Nolans Bore in the NT.

Western Desert Resources has announced another milestone toward the development of its Roper Bar iron ore project, after the environmental impact statement was recommended for approval by the Northern Territory Minister for the Environment. The final recommendation from the DSEWPC is expected in the next month.
FAQ’s

Q. ICN’s emails keep on going into my junk mail and sometimes I don’t receive them at all?
A. Chances are your local spam filter is picking them up, thinking they are spam. Have your IT department modify your spam filters to allow all emails from @icnnt.org.au and @icn.org.au.

Q. I’m not sure if my company is registered with ICN?
A. Call your local ICN on 1300 961 139

Q. We are ICN registered but the person looking after our profile has left the company?
A. Call your local ICN on 1300 961 139

Q. I am experiencing difficulties with ICN Gateway and keep on getting a ‘script error’?
A. This is an Internet Explorer issue - Yes, you want to keep running the script until your changes have been saved. To eliminate this issue, we recommend you switch to Google Chrome.

ICN Gateway Tip...

ICN Gateway is not only a place where work packages are listed but it is also where announcements of awarded contracts are made. You can view who has been awarded contracts by following this simple step.

Simply Click on the status ‘Awarded’ to view the awarded contractor details.

Showcase

Has your business recently been involved in an exciting or innovative project? Or have you increased your capability in order to broaden your contracting opportunities? If so, we would like to ‘Showcase’ your business in an upcoming Newsletter. Call or email Elena to discuss.

e. elena.tsangari@icnnt.org.au
p. 08 8922 9434

Please Note: inclusion of information in the ICN (NT) newsletter is at the discretion of ICN (NT). Contributing Showcase business will be contacted and confirmed prior to publication.

Register with ICN Gateway

At the heart of ICN’s services is the ICN Gateway, an online system assisting Australian Businesses find suppliers or identify new business opportunities.

ICN Gateway, which is used domestically and internationally, is a connection point for buyers and suppliers looking to build partnerships in Australian and New Zealand industries. Suppliers can search projects and register their company’s interest with just a few easy steps. ICN Gateway also helps project managers to manage the supplier registration process for their projects.

This powerful online system currently contains over $125 billion worth of projects and more then 50,000 suppliers.

ICN’s dedicated business consultants search the list of suppliers when a buyer approaches ICN looking for new products and services. Every day ICN receive enquiries from purchasers and project managers looking for local suppliers and service providers. By registering your business on ICN Gateway you make sure that your details are available when there is demand for your product or service.

www.icn.org.au
## COMMITTED PROJECTS

<table>
<thead>
<tr>
<th>Project</th>
<th>Proponent</th>
<th>Project type</th>
<th>Start</th>
<th>Value (AUS$m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ichthys</td>
<td>INPEX</td>
<td>LNG Plant, Darwin</td>
<td>2012</td>
<td>US$34B</td>
</tr>
<tr>
<td>Marine Supply Base</td>
<td>NT Government</td>
<td>Marine Supply Base</td>
<td>2012</td>
<td>110</td>
</tr>
<tr>
<td>Single LEAP Accommodation</td>
<td>Dept of Defence</td>
<td>New accommodation at NT Defence locations</td>
<td>2012</td>
<td>230</td>
</tr>
<tr>
<td>McArthur River mine - Upgrade</td>
<td>Xstrata</td>
<td>Zinc</td>
<td>2012</td>
<td>US$ 360</td>
</tr>
<tr>
<td>Darwin Prison - Northern Territory</td>
<td>NT Government</td>
<td>Prison</td>
<td>2011</td>
<td>495</td>
</tr>
<tr>
<td>New Secure Facilities PPP project (NTSF)</td>
<td>NT Government</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prelude</td>
<td>Shell</td>
<td>FLNG</td>
<td>2011</td>
<td>US$12.6B</td>
</tr>
<tr>
<td>GEMCO</td>
<td>BHP Billiton</td>
<td>Manganese</td>
<td>2011</td>
<td>US$279</td>
</tr>
<tr>
<td>NPARIH (Incorporating SIHIP)</td>
<td>Territory Housing</td>
<td>New and upgraded remote housing</td>
<td>2008/09</td>
<td>AU$2B</td>
</tr>
</tbody>
</table>

## PLANNED PROJECTS

<table>
<thead>
<tr>
<th>Project</th>
<th>Proponent</th>
<th>Project type</th>
<th>Start</th>
<th>Value (AUS$m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonaparte LNG</td>
<td>GDF Suez/Santos</td>
<td>Petrel/Tern/Frigate FLNG</td>
<td>2014</td>
<td>TBA</td>
</tr>
<tr>
<td>Nolan's Bore</td>
<td>Arafura Resources</td>
<td>Rare Earths</td>
<td>2013</td>
<td>TBA</td>
</tr>
<tr>
<td>Mt Todd</td>
<td>Vista Gold</td>
<td>Gold</td>
<td>2013</td>
<td>600</td>
</tr>
<tr>
<td>Peko tailings removal</td>
<td>Peko Resources</td>
<td>Magnetite Tailings</td>
<td>2013</td>
<td>TBA</td>
</tr>
<tr>
<td>Roper Bar</td>
<td>Western Desert Resources</td>
<td>Iron Ore</td>
<td>2012</td>
<td>TBA</td>
</tr>
<tr>
<td>Ranger 3 Deeps exploration decline</td>
<td>ERA, Ranger</td>
<td>Uranium</td>
<td>2012</td>
<td>120</td>
</tr>
<tr>
<td>Darwin Waterfront Redevelopment—Stage 2</td>
<td>Toga Group</td>
<td>Apartments, commercial and retail</td>
<td>TBA</td>
<td>63</td>
</tr>
</tbody>
</table>

## PROPOSED / POTENTIAL PROJECTS

<table>
<thead>
<tr>
<th>Project</th>
<th>Proponent</th>
<th>Project type</th>
<th>Start</th>
<th>Value (AUS$m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wonarah Phosphate Mine</td>
<td>Minemakers</td>
<td>Phosphate</td>
<td>2013</td>
<td>200</td>
</tr>
<tr>
<td>Crux</td>
<td>Nexus Energy</td>
<td>Oil &amp; Gas</td>
<td>2012</td>
<td>TBA</td>
</tr>
<tr>
<td>Hodgson Downs</td>
<td>Sherwin Iron</td>
<td>Iron Ore</td>
<td>2012</td>
<td>180</td>
</tr>
<tr>
<td>McArthur River</td>
<td>Redbank Copper</td>
<td>Copper</td>
<td>2012</td>
<td>TBA</td>
</tr>
<tr>
<td>Abattoir</td>
<td>AACo</td>
<td>Abattoir</td>
<td>2012</td>
<td>50</td>
</tr>
<tr>
<td>Tassie Shoal</td>
<td>MEO</td>
<td>Methanol / LNG</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>Evans Shoal</td>
<td>Shell</td>
<td>Methanol / LNG</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>Sunrise Gas Project</td>
<td>Woodside</td>
<td>Natural Gas / LNG</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>Darwin LNG Train 2</td>
<td>ConocoPhillips</td>
<td>LNG</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>Mount Peak</td>
<td>TNG Limited</td>
<td>Vanadium Pentoxide / Ferrovanadium</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>Montara</td>
<td>PTTEP</td>
<td>Oil &amp; Gas (potential FLNG)</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>Armour Energy</td>
<td>McArthur Basin</td>
<td>Shale Gas</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>Pedirka &amp; Amadeus Basin</td>
<td>Central Petroleum</td>
<td>Oil &amp; Gas</td>
<td>TBA</td>
<td>TBA</td>
</tr>
</tbody>
</table>

Due to the nature of projects this information is subject to change. Please confirm currency with ICN (NT).