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The Manager Company Announcements Office ASX Limited, Exchange Centre 20 Bridge Street Sydney NSW 2000



## STONEHENGE METALS: DAEJON PROJECT LAND ACCESS AGREEMENTS SIGNED

- Stonehenge Metals confirms three separate land access agreements to undertake a maiden exploration drilling program at its Daejon Project.
- A 21 diamond drill hole program is proposed to confirm historical uranium drill results and establish a maiden vanadium resource.

Stonehenge Metals Limited ("Stonehenge" or the "Company") is pleased to announce the signing of three separate land access Agreements across the Daejon Project Area ('Daejon"). Daejon has 225 historical diamond drill holes and outcrops over a 6 kilometre strike containing the largest known uranium resource within South Korea at **65.0**Mlbs (Inferred) grading **320**ppm  $eU_3O_8$  at a 200ppm cut-off (in accordance with JORC guidelines). Daejon also has a Vanadium Exploration Target<sup>1</sup> of 70-90 Mt at a grade of between 0.25% - 0.35% V<sub>2</sub>O<sub>5</sub> for a contained 385-695 M lbs V<sub>2</sub>O<sub>5</sub>. More than 36,000m of drilling was completed by the Korean Institute of Energy and Resources (KIER) in the 1980's.

| Prospect | Classification | Tonnes (Mt) | Grade eU <sub>3</sub> O <sub>8</sub> (ppm) | Contained U <sub>3</sub> O <sub>8</sub> (Mlbs) |
|----------|----------------|-------------|--|--|
| Chubu    | Inferred       | 46          | 330  | 34   |
| Yokwang  | Inferred       | 39          | 310  | 26   |
| Kolnami  | Inferred       | 7           | 340  | 5  |
| Total    |                | 92          | 320  | 65   |
| Prospect | Classification | Tonnes(Mt)  | Grade U <sub>3</sub> O <sub>8</sub> (ppm)  | Contained U <sub>3</sub> O <sub>8</sub> (Mlbs) |
| Yokwang  | Target         | 15 - 59     | 300-500                                    | 17-39Mlbs                                      |
| Prospect | Classification | Tonnes(Mt)  | Grade V <sub>2</sub> O <sub>5</sub> (ppm)  | Contained V <sub>2</sub> O <sub>5</sub> (Mlbs) |
| Daejon   | Target         | 70-90       | 250-350                                    | 385-695Mlbs                                    |

### Table 1: Resource for the Daejon Project at a 200ppm eU<sub>3</sub>O<sub>8</sub> cut-off (as at Feb 2011).

<sup>&</sup>lt;sup>1</sup> It should be noted that, under JORC guidelines, the potential quantity and grade of the Exploration Target is conceptual in nature, there has been insufficient exploration to define a Mineral Resource and that it is uncertain if further exploration will result in the determination of a Mineral Resource.

Stonehenge has signed three separate land access agreements to undertake a maiden exploration drilling program at its Daejon Project. Agreements for two parcels of land, Seo 16 and 17, located within the Yokwang deposit have been secured (see Figure 1). A large majority of the historical drill holes were vertical or near vertical. It is intended to drill the uranium strike from the opposite side of the hill to intersect the mineralized zone. This will prevent ground disturbance of the uranium outcrops during drilling activities. Dae 6-1 has also been secured which is located within the Chubu deposit and was the major focus of historical drilling.



Figure 1: Map of Daejon project area showing location of land access agreements.

An eight hole diamond drill program at Yokwang is currently being prepared for submission and final approval by the Geumsan County Office. Land owner agreement is a critical step in this approval process. Yokwang has a large exploration potential with a JORC Exploration Target<sup>2</sup> of 15 to 59 Mt with uranium grade ranging between 300-500ppm  $U_3O_8$ . Two diamond drill holes 83-DEY-10 and 83-DEY-11 were previously drilled in Yokwang and these holes are positioned either side of the proposed Yokwang drill program. Table 2 shows the historical results from these drill holes and confirms the presence of a large uranium mineralized zone. Angle of these drill holes is normal to the mineralization and intersections are approximate to true widths.

<sup>&</sup>lt;sup>2</sup> It should be noted that, under JORC guidelines, the potential quantity and grade of the Exploration Target is conceptual in nature, there has been insufficient exploration to define a Mineral Resource and that it is uncertain if further exploration will result in the determination of a Mineral Resource.

| Hole ID   | From<br>(Metre) | To<br>(Metre) | Interval<br>(Metre) | Dip<br>(deg) | eU₃O <sub>8</sub><br>(ppm) |
|-----------|-----------------|---------------|---------------------|--------------|----------------------------|
| 83-DEY-10 | 179.0           | 188.5         | 9.5                 | 33           | 342                        |
| 83-DEY-10 | 228.0           | 238.3         | 10.3                | 33           | 334                        |
| 83-DEY-10 | 242.0           | 252.5         | 10.5                | 33           | 324                        |
| 83-DEY-10 | 259.2           | 265.0         | 5.8                 | 33           | 331                        |
| 83-DEY-10 | 267.1           | 279.6         | 12.5                | 33           | 360                        |
| Total     |                 |               | 48.6                | 33           | 339                        |
|           |                 |               |                     |              |                            |
| 83-DEY-11 | 42.6            | 61.5          | 18.9                | 33           | 372                        |
| 83-DEY-11 | 145.7           | 149.0         | 3.3                 | 33           | 381                        |
| 83-DEY-11 | 177.4           | 188.6         | 11.2                | 33           | 299                        |
| 83-DEY-11 | 190.0           | 197.1         | 7.1                 | 33           | 360                        |
| 83-DEY-11 | 198.5           | 201.5         | 3.0                 | 33           | 409                        |
| Total     |                 |               | 43.5                | 33           | 354                        |

Table 2: Historical drill results for Yokwang using 200ppm eU<sub>3</sub>O<sub>8</sub> cut-off.

Note: Drill core was not assayed for vanadium.

A typical section from one of the proposed drill sites is shown in Figure 2. The purpose of the Yokwang drill program is to confirm the continuity of the uranium mineralised zone, including thickness and grade. It will also allow a maiden vanadium resource to be estimated over the area covered by the proposed drilling.



Figure 2: Proposed drill section through uranium block model for Yokwang (red line indicates proposed drill hole).

A separate 13 hole diamond drill program for the Chubu deposit is also being prepared. Chubu contains a JORC Inferred Resource of 46Mt grading 330 eU<sub>3</sub>O<sub>8</sub> for 34Mlbs eU<sub>3</sub>O<sub>8</sub> at a cutoff grade of 200ppm eU<sub>3</sub>O<sub>8</sub>. The proposed drill program is located directly above the existing Chubu Adit, which was sampled at 1 metre intervals during 2011. Results from this program showed high grade zones much greater than the existing resource average with the best result of 59m at 472ppm U<sub>3</sub>O<sub>8</sub>.

The intent of the Chubu drill program is to infill the historical drill holes to improve the confidence level of the existing uranium JORC resource and identify potential high grade zones. This program will also allow a maiden vanadium resource to be estimated for Chubu over the area covered by the proposed drilling. A typical drill section is shown in Figure 3.



Figure 3: Proposed drill section through uranium block model for Chubu (red line indicates proposed drill hole, black line historical drill hole).

A surveyors report to confirm the location of access track and drill pads will be completed in early August. This report, along with the drilling application, will be submitted to the Daejon City Council for final approval, a decision which can take 30 working days.

Discussions with other land owners across the Daejon project are in progress. An announcement will be made when final approval has been obtained from respective Guemsan County and Daejon City Councils for the proposed drill campaign.

Richard Henning, Managing Director, commented "This programme represents the first stage in converting our vanadium exploration target into a resource; there is little doubt that the quantity and grade of the vanadium that we have tested to date means that it cannot be ignored, and our metallurgical work continues to improve the co-extraction process of uranium and vanadium.

Early modelling shows a strong economic case based on processing the two minerals, both of which are of major significance to Korean industries. As we prove up some of the earlier work done by Korean geologists back in the 1980's and add our expertise in metallurgy, environmental planning, and adopting 'best practice', we will continue dialogue with central and provincial government and all members of the local communities with regard to open and transparent activity.

As a company we embrace the opportunity to work in Korea and strive to add an important dimension in Korea's energy security"

#### **ABOUT STONEHENGE METALS**

Stonehenge Metals Limited (ASX Code: SHE) is developing a multi-mineral project in South Korea. Stonehenge owns 100% of the rights to three projects in South Korea including the Company's flagship Daejon Project which contains the largest uranium resource within South Korea at **65.0Mlbs**(inferred) grading **320ppm eU<sub>3</sub>O**<sub>8</sub> (in accordance with JORC guidelines).



### South Korean Project Locations

#### **Competent Persons Statement**

The information contained in this ASX release relating to exploration results, exploration targets and Mineral Resources has been compiled by Mr. Michael Andrew of Optiro Ltd. Mr. Andrew is a Member of The Australian Institute of Mining and Metallurgy. Mr. Andrew has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Andrew consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

For further information visit www.stonehengemetals.com.au or contact:-

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| Registration<br>Number | Land<br>Register | Number | Area<br>(ha) | Minerals             | Registration<br>Date | Registrant               | Property |
|------------------------|------------------|--------|--------------|----------------------|----------------------|--------------------------|----------|
| 76967                  | Gwesan           | 114    | 275          | Uranium              | 28/05/2008           | Sim Jae Youl             |          |
| 76942                  | Gwesan           | 115    | 275          | Uranium              | 14/05/2008           | Sim Jae Youl             |          |
| 76965                  | Gwesan           | 117    | 275          | Uranium              | 28/05/2008           | Sim Jae Youl             |          |
| 76966                  | Gwesan           | 118    | 275          | Uranium              | 28/05/2008           | Sim Jae Youl             |          |
| 76964                  | Gwesan           | 124    | 275          | Uranium              | 28/05/2008           | Sim Jae Youl             | Gwesan   |
| 76941                  | Gwesan           | 125    | 275          | Uranium              | 14/05/2008           | Sim Jae Youl             |          |
| 76968                  | Gwesan           | 126    | 275          | Uranium              | 28/05/2008           | Sim Jae Youl             |          |
| 76969                  | Gwesan           | 128    | 275          | Uranium              | 28/05/2008           | Sim Jae Youl             |          |
| 79161                  | Gwesan           | 137    | 275          | Uranium,<br>Vanadium | 11/01/2011           | Stonehenge Korea         |          |
| 77018                  | Miwon            | 36     | 276          | Uranium              | 11/06/2008           | Sim Jae Youl             |          |
| 77019                  | Miwon            | 46     | 276          | Uranium              | 11/06/2008           | Sim Jae Youl             |          |
| 77020                  | Miwon            | 58     | 276          | Uranium              | 11/06/2008           | Sim Jae Youl             |          |
| 77225                  | Miwon            | 37     | 276          | Uranium              | 21/08/2008           | Sim Jae Youl             | wiwon    |
| 77291                  | Miwon            | 47     | 276          | Uranium              | 23/09/2009           | Sim Jae Youl             |          |
| 77292                  | Miwon            | 57     | 276          | Uranium              | 23/09/2009           | Sim Jae Youl             |          |
| 77010                  | Okcheon          | 136    | 138          | Uranium              | 10/06/2008           | Sim Jae Youl, Sim Jun Bo |          |
| 77011                  | Daejon           | 18     | 277          | Uranium              | 10/06/2008           | Sim Jae Youl, Sim Jun Bo |          |
| 77012                  | Daejon           | 28     | 259          | Uranium              | 10/06/2008           | Sim Jae Youl, Sim Jun Bo |          |
| 77013                  | Daejon           | 38     | 277          | Uranium              | 10/06/2008           | Sim Jae Youl, Sim Jun Bo |          |
| 77014                  | Daejon           | 48     | 277          | Uranium              | 10/06/2008           | Sim Jae Youl, Sim Jun Bo |          |
| 77038                  | Okcheon          | 147    | 277          | Uranium              | 19/06/2008           | Sim Jae Youl, Sim Jun Bo | Daejon   |
| 77039                  | Daejon           | 17     | 103          | Uranium              | 19/06/2008           | Sim Jae Youl, Sim Jun Bo |          |
| 77114                  | Daejon           | 7      | 190          | Uranium              | 3/07/2008            | Sim Jae Youl, Sim Jun Bo |          |
| 77115                  | Daejon           | 27     | 56           | Uranium              | 3/07/2008            | Sim Jae Youl, Sim Jun Bo |          |
| 77363                  | Daejon           | 47     | 242          | Uranium              | 16/10/2008           | Sim Jae Youl             |          |
| 77364                  | Daejon           | 57     | 186          | Uranium              | 16/10/2008           | Sim Jae Youl             |          |

| Table 3: Granted Korean Mining Right Licenses | (held directly by Stonehenge Korea) |
|---|-------------------------------------|
|---|-------------------------------------|

 Technical Note:
 All Mining Rights & Applications (above) have been pegged as standard 1 minute latitude X 1 minute longitude graticules and are approximately 277- 275 ha in size.

# Table 4: Korean Exploration Right Applications.

| Registration<br>Number | Land<br>Register<br>Name | Numb<br>er | Area<br>(ha) | Minerals                            | Registration<br>Date | Registrant          | Property<br>Location |
|------------------------|--------------------------|------------|--------------|-------------------------------------|----------------------|---------------------|----------------------|
| 70006                  | Daejon                   | 7-1        | 207          | Vanadium,<br>Molybdenum             | 20 Apr 2012          | Stonehenge<br>Korea |                      |
| 70009                  | Daejon                   | 18         | 277          | Vanadium,<br>Molybdenum             | 20 Apr 2012          | Stonehenge<br>Korea |                      |
| 70008                  | Daejon                   | 27         | 60           | Vanadium,<br>Molybdenum             | 20 Apr 2012          | Stonehenge<br>Korea |                      |
| 1003                   | Daejon                   | 27-1       | 172          | Uranium,<br>Vanadium,<br>Molybdenum | 17 May 2012          | Stonehenge<br>Korea |                      |
| 70007                  | Daejon                   | 28         | 266          | Vanadium,<br>Molybdenum             | 20 Apr 2012          | Stonehenge<br>Korea | Daejon               |
| 135                    | Daejon                   | 59         | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 19 Jan 2012          | Stonehenge<br>Korea |                      |
| 132                    | Daejon                   | 70         | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 19 Jan 2012          | Stonehenge<br>Korea |                      |

# Table 5: Korean Exploration Permits.

| Registration<br>Number | Land<br>Register<br>Name | Number | Area<br>(ha) | Minerals                            | Registration<br>Date | Expiry Date of<br>Application | Registrant          | Property<br>Location |
|------------------------|--------------------------|--------|--------------|-------------------------------------|----------------------|-------------------------------|---------------------|----------------------|
| 1012                   | Daejon                   | 15     | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 17 May 2012          | 16 Nov 2012                   | ChongMa             |                      |
| 1011                   | Daejon                   | 16     | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 17 May 2012          | 16 Nov 2012                   | ChongMa             |                      |
| 1005                   | Daejon                   | 17-1   | 124          | Uranium,<br>Vanadium,<br>Molybdenum | 17 May 2012          | 16 Nov 2012                   | ChongMa             |                      |
| 1010                   | Daejon                   | 36     | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 17 May 2012          | 16 Nov 2012                   | ChongMa             |                      |
| 1006                   | Daejon                   | 49     | 61           | Uranium,<br>Vanadium,<br>Molybdenum | 17 May 2012          | 16 Nov 2012                   | ChongMa             |                      |
| 1009                   | Daejon                   | 50     | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 17 May 2012          | 16 Nov 2012                   | ChongMa             |                      |
| 136                    | Daejon                   | 58     | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 20 Jul 2012          | 19 Jan 2013                   | Stonehenge<br>Korea | Daejon               |
| 134                    | Daejon                   | 68     | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 20 Jul 2012          | 19 Jan 2013                   | Stonehenge<br>Korea |                      |
| 133                    | Daejon                   | 69     | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 20 Jul 2012          | 19 Jan 2013                   | Stonehenge<br>Korea |                      |
| 1004                   | Daejon                   | 80     | 64           | Uranium,<br>Vanadium,<br>Molybdenum | 17 May 2012          | 16 Nov 2012                   | ChongMa             |                      |
| 130                    | Daejon                   | 90     | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 20 Jul 2012          | 19 Jan 2013                   | Stonehenge<br>Korea |                      |
| 129                    | Geumsan                  | 72     | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 20 Jul 2012          | 19 Jan 2013                   | Stonehenge<br>Korea |                      |
| 1008                   | Okcheon                  | 126    | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 17 May 2012          | 16 Nov 2012                   | ChongMa             |                      |
| 540                    | Okcheon                  | 136-1  | 148          | Uranium,<br>Vanadium,<br>Molybdenum | 9 Mar 2012           | 8 Sep 2012                    | ChongMa             |                      |
| 541                    | Okcheon                  | 146    | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 9 Mar 2012           | 8 Sep 2012                    | ChongMa             |                      |
| 128                    | Miwon                    | 69     | 277          | Uranium,<br>Vanadium,<br>Molybdenum | 20 Jul 2012          | 19 Jan 2013                   | Stonehenge<br>Korea | Miwon                |