



# NEMEX

## RESOURCES LIMITED

ACN 146 243 843



5 March 2015

### Fast Facts

#### Capital Structure

Shares on issue	220.4M
Options	33.3M
Performance Rights	0.5M
ASX Code	NXR

#### Directors &

#### Senior Management

**Patrick Flint**

Chairman

**Paul Jurman**

Non-Exec Director &

Company Secretary

**Peter Turner**

Non-Exec Director

#### Project Highlights

##### WBT Investment

- Biometric technology
- *Potential global market*
- *Strong management*

##### Guinea (Iron)

- *High-grade iron discovery*
- *Large resource potential*
- *Targeting DSO production*

##### W Australia (Iron)

- *Woodley DSO Project*

#### Contacts

**Mr Patrick Flint**

T: +61 8 9388 2277

[www.nemexres.com.au](http://www.nemexres.com.au)

## Security Biometric Technology Achieves

### Industry Leading Performance

#### Highlights

- Wavefront Biometric Technologies Pty Ltd (WBT) has **successfully completed Phase 2** of its technology development program, on time and on budget.
- WBT's disruptive technology has the potential to become the industry leading biometric and revolutionise the way people are authenticated for security purposes.
- WBT has developed a multi-biometric system built around WBT's unique, patented cornea-based technology and incorporating other eye-based biometric modalities.
- Filing of patent applications in process over **newly identified intellectual property** related to multi-biometric system.
- Internal test results demonstrate WBT's technology delivers **performance, via a mobile platform, comparable to the current industry leading biometric modality.**
- WBT's technology has a number of **competitive advantages** including universal application, fraud resistance and proof of liveness.
- NXR intends to exercise option to **increase its interest in WBT to 40%**, and provide funding for the next phase of development and commercialisation.
- Phase 3 of the development program will focus on further improving performance of the multi-biometric system. **Commercialisation activities** will also be ramped up, including visits to key markets in North America and Asia in April and May 2015.



Nemex Resources Limited (NXR) is pleased to advise that WBT has completed Phase 2 of its technology development program. The key achievement of this Phase 2 work was to deliver performance, via a mobile platform, comparable to the current industry leading biometric modality.

WBT has developed and patented a biometric technology for reliable and secure authentication of a person's identity. In April 2014 WBT commenced a three phase program with the objective of adapting its unique biometric technology to a mobile platform and commercialising the product. The first phase of the program was completed on time and on budget in August 2014. This "proof of concept" phase involved WBT successfully miniaturising and adapting its technology to a mobile platform (WBT's prototype unit).

### **Completion of Phase 2 of Development Program**

WBT have now advised that the second phase of the development program has been completed, again on time and on budget. This work focussed on improving the design and performance of the prototype unit and included completing a series of performance tests of the prototype unit. These performance tests were conducted by WBT and its consultants under laboratory conditions.

During this phase of the program, the WBT Development Team also developed a multi-biometric system built around WBT's unique, patented cornea-based technology and incorporating other eye-based biometric modalities. The different biometric modalities combine as a single sensor, multi-modal and multi-algorithmic biometric, generating further advantages to the competitiveness of the technology in the market. This new multi-biometric system was successfully incorporated into the prototype unit utilised for the performance testing.

The results of the performance tests completed during Phase 2 demonstrate WBT's technology delivers performance, via a mobile platform, comparable to the current industry leading biometric modality (the iris modality). In addition to its high fidelity (reliability and accuracy), the WBT technology also has a number of competitive advantages including the use of the visible light spectrum (as opposed to near infra-red as used by most iris systems), universal application, fraud resistance and proof of liveness.

### **Phase 3 Plans**

During the third development phase, WBT aims to

- further improve the performance of the multi-biometric system. WBT has identified a number of technical opportunities that when implemented are expected to see further improvements in system performance;
- arrange for completion of independent testing and assessment of technology performance;
- finalise and submit patent applications in respect of the new intellectual property developed; and
- ramp up commercialisation activities, including demonstration of the miniaturised prototype in North America and Asia to leading mobile device manufacturers and defence industry groups.



## **Intellectual Property**

Patent applications in respect of WBT's cornea-based technology have previously been submitted in Australia, Europe, Japan and the United States of America (USA). Patent protection was granted in the USA in 2014, and has recently been granted in Australia and Japan. The patent application in Europe is pending.

In addition and in consultation with its patent attorney, WBT has identified new intellectual property associated with this multi-biometric system and is in the process of filing further patent applications.

## **NXR to Increase Interest in WBT and Fund Next Development Phase**

NXR intends to exercise its option to acquire a further 10% interest in WBT, thereby increasing its interest in WBT to 40%. Pursuant to the April 2014 subscription agreement the funds due to WBT on exercise of the option are \$1,000,000. In January 2015 NXR advanced WBT a total of \$450,000. This loan will be extinguished as part of the option exercise, and NXR will remit (from existing cash reserves) the remaining \$550,000. These monies will be utilised by WBT to fund the third and final development phase, which is expected to take 4 to 6 months to complete. NXR has the right to increase to a 51% interest.

## **Issue of Securities**

NXR has agreed to issue 12 million options exercisable at 10 cents on or before 30 June 2016 to a group of Asian based professional investors who are assisting with promotion of NXR and introduction of WBT's biometric technology to professional investors and technology companies in mainland China.

Detailed information about Nemex is available at [www.nemexres.com.au](http://www.nemexres.com.au)

## **For further information about Nemex contact:**

Patrick Flint

Chairman

P: 08 9388 2277

E: [pflint@nemexres.com.au](mailto:pflint@nemexres.com.au)

## **About Nemex Resources**

Nemex Resources Ltd (ASX: NXR) boasts a diversified asset portfolio comprising interests in both the minerals and technology sectors.

Nemex has a 30% interest in Australian-based biometric technology developer Wavefront Biometric Technologies (WBT), and has the right to increase this to a 51% interest.

WBT is in the process of developing and commercialising a unique identity authentication technology. WBT has developed and patented a biometric technology for reliable and secure authentication of a person's identity, based on capturing data associated with the eye. The technology has potential applications across numerous sectors around the world, including banking, healthcare, military, aviation and border control.

Nemex also holds interests in the Télimélé DSO Iron project in Guinea and the Woodley Iron project in Western Australia.