

## Release to the Australian Securities Exchange

### **XTEK enters into Memorandum of Understanding with Skykraft**

**Canberra – Tuesday 12 June 2019:** XTEK Limited (ASX: XTE, 'XTEK', the 'Company') is pleased to announce that it has entered into a Memorandum of Understanding (MoU) with Skykraft Pty Limited (Skykraft) for the co-engineering and potential manufacture of small spacecraft and launcher systems.

#### **Key highlights**

- **XTEK has entered into a MoU with Skykraft, a space services company based in Canberra**
- **Skykraft recognises XTEK's design, materials and process capabilities in lightweight composites and the XTclave™ technology for its spacecraft and launcher systems**
- **The MoU includes a co-engineering phase for the design and manufacture of small spacecraft and launcher systems**
- **XTEK and Skykraft's objective is to find opportunities for the supply of composite material spacecraft and launcher systems by XTEK to Skykraft**
- **This represents an exciting development as part of XTEK's broader technology plans and provides external validation of the potential commercialisation of XTclave™ produced products in space**

#### **Mr Philippe Odouard, Managing Director of XTEK commented:**

*"This MoU with Skykraft represents a significant commercialisation milestone for XTEK's composite capabilities. This provides external validation of the XTclave™ technology and provides us a valuable opportunity to expand our capabilities and presence in the growing Australian space composites sector and beyond the defence sector. We are looking forward to working closely with Skykraft to develop exciting space solutions, while also accelerating the commercialisation of our proprietary XTclave™ technology."*

#### **Co-engineering phase**

Under the MoU, XTEK and Skykraft will work together to co-engineer spacecraft and launcher structures and identify opportunities for the supply of these structures by XTEK to Skykraft out of XTEK's patented XTclave™ production facility.

XTEK's role is the development of advanced composite fibre-reinforced-plastic (FRP) material selection, component designs and processing technologies of components. XTEK has begun working on a lightweight carbon fibre satellite structure design for Skykraft to be produced using its proprietary XTclave™ technology.

#### **XTclave™ technology used to supply composite parts for space applications**

While XTEK remains primarily focused on the defence sector, there has been an increasing interest in the XTclave™ technology in other applications. This has been driven by the potential enhanced performance characteristics offered in by XTclave™ produced advanced composites. As such, the space market represents a new target sector which broadens XTEK's XTclave™ commercialisation plans.

XTclave™ technology advantages include potential plastic outgassing reduction, which represents a serious concern for all plastics used in space, and achieving higher specific strength-to-weight ratios due to the ultra-high processing pressure.

## Next steps

Following the MoU, XTEK and Skykraft will work towards a supply agreement between the parties for composite spacecraft and launcher systems. However, the MoU does not represent a commitment for either party to proceed.

Given the attractiveness of the space sector and complimentary nature to the target defence sector, XTEK intends to build a space composites design and production capability underpinned by the XTclave™ technology and a new factory in Australia. Separately, XTEK is completing additional work on launcher systems and satellite deployment composite parts for space applications.

### **Mr. James Prior, Managing Director of Skykraft added:**

*"We are extremely pleased to work with XTEK for the development of space solutions that use the XTclave™ technology. This technology has the potential to address numerous operational issues and challenges we currently face in an optimised and cost-efficient manner. Furthermore, we see XTEK's innovation around composite technology as a key enabler in the development of flexible and adaptable spacecraft"*

**Signed** for and on behalf of XTEK Limited:



Lawrence A Gardiner  
Company Secretary  
12 June 2019

### **About XTEK Limited**

XTEK Limited is a leading company in the Australian Homeland Security Market. XTEK's knowledge and expertise is focused on the delivery of protection and sustainment solutions for the government, law enforcement, military and commercial sectors.

XTEK has developed a range of new technologies which it is now commercialising in international markets. These technologies include XTclave™ advanced composite products and XTAtlas™ real time contextual video, which provide novel solutions for western military forces and other government agencies. In addition, the supply and maintenance of Small Unmanned Aerial Systems (SUAS) remains a focus for XTEK.

For more information visit the XTEK website at [www.xtek.net](http://www.xtek.net)

### **About Skykraft Pty Limited**

Skykraft Pty Limited is a Canberra based space engineering services company, founded by members of the UNSW Canberra Space team to commercialise the space technology and operational mission capability developed within the University. Skykraft's intentions are to conceptualise, innovate, design, build, test and operate constellations of spacecraft for the delivery of global services.

For more information visit the Skykraft website at [www.skykraft.com.au](http://www.skykraft.com.au)