

2018 全球物联网创新成果点映申报书

2018 Global IoT Contest Application Form

申报产品基本信息 / Basic information			
申报单位名称 Company Name	Techdyne International Pty Ltd (Australian R&D Company)		
申报品牌 Brand Name	文字名称: 徽标 Licensed to AutoCoach Pty Ltd (Global Sales) 		
产品/方案名称 Product/Solution Name	Smart Health/Sports participation and engagement. These units can be connected ad-hoc to make local wireless network that makes all devices interconnected.	产品型号 Product Model	ACS100 Performance Stopwatch, ACS300 Smart speaker, ACS260 Multifunction display, ACS500 AutoCoach One (wearable) ACS82 Wireless smart transceiver Autocoach Manager (Software)


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<p>市场价格 Market Price</p>	<p>From AUD \$300 to \$30,000</p> <p>For single wearable device up to fully equipped wireless race meet system + Member fee\$85/year</p>	<p>销售范围 Sales Scope</p>	<p>Consumers, Schools, Sports clubs, sport organizations</p>
<p>上市时间 Time of start selling</p>	<p>2012</p>	<p>总销售量/或销售金额 Sales Volume</p>	<p>AUD \$3M</p>
<p>核心创新点、或卖点简述 Core point of innovation</p>	<p>It is wireless mesh system using Zigbee technology, but also allows transmission of real-time speech. The system, covers sports timing, training and racing, performances are measured in real-time and fed-back to the athlete in order to inform, educate and motivate them whilst doing the sporting activity.</p> <p>Battery powered, portable and expandable to be easily deployed in any environment. The system is capable of virtualizing and gamifying individuals doing sporting activity.</p>		
<p>申报产品详细介绍 Details information</p>			

<p>关键参数/技术指标</p> <p>Key Parameter/ Technical Index</p>	<p>Using a customized communications layer above the IEEE 802.15.4 layer we can transmit voice in real-time in addition to wireless timing and performance data. By being interactive with people, our system encourages people to try their best and coaches can give technique feedback to a selected group using our wearable devices</p>
<p>产品功能及特点描述</p> <p>Product function / Feature Description</p>	<p>In summary our technology can provide:</p> <p>Sports analytics and data that help sports teams, teachers and coaches: recruit players (keep swimmer more enjoyable), execute game plans; gain a competitive edge; prevent injuries</p> <p>Help facilitate coaching of athletes and improve sporting performance of the individual in all different levels.</p> <p>To assist with management of athletes/student's teams and associations. It can address management problems at any level of sport performance, ranging from elite sports to grass roots participation.</p> <p>Wearable smart devices can be used by themselves with tracking and aid athletic performances.</p> <p>The race meet configuration facilitates encouragement level competition right through to official qualifying meets yet requires minimal computer expertise as most functions are automated.</p> <p>Wearable devices feature bone conduction Audio, fully waterproof (suit swimming etc.) GPS tracking option and Bluetooth connectivity and 8 MB of data logging memory for performance analytics collection. Other devices in the network have LED sign displays and PA speakers, manual and touchpad timing buttons.</p>

<p>产品外观照片/宣传彩页</p> <p>Photo / Brochure</p>	 <p>brochure for USA conference-2018083</p> <p>(以附件形式附于申报书后。图片为 jpg 格式, 产品图像须完整、清晰。)</p> <p>Provided by attachment, photo provided by jpg. files</p>
<p>企业介绍</p> <p>Company Profile</p>	<p>Techdyne International Pty Ltd is a privately owned Australian Based Business established in 1999. Based in Melbourne, Victoria. Techdyne is an R&D based business that utilises Chinese based prototype & manufacturing services, paired with Australian Engineering and IT design and development. We design and manufacture both our own products, and subcontract and license engineering services to others - both in Australia and overseas.</p> <p>We specialise in leading edge technologies that enables us to make products that we not possible in the past. With over 30 years' experience in embedded design, power supply and RF engineering technology, we use the latest CAD tools and software compilers to offer superior services.</p>

	<p>We have co-operated with Huansun and have created world leading pair gain systems for China market and sold to China Telecom.</p> <p>In 2008, our company has closed down our telecommunication business and moved on to IoT development. With successful technology we adapted designs for transmitting voice and data using IEEE802.15.4 transport layers on both the 900MHz and 2.4 GHz bands.</p> <p>Applications include:</p> <ul style="list-style-type: none">- Health care monitoring - wearable and fixed.- Intelligent home automation systems - including power switching and usage monitoring.- Wearable sporting technology systems - for both dryland and aquatic sports. <p>We both develop and license technologies for local and overseas corporations.</p>
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	<p>In 2012 we are partnered with Autocoach Pty Ltd and focus on development for improving engagement and training for sport, initially focusing on swimming. Swimming is a sport that can be done by all ages, yet it is often boring and it is hard to both coach and instruct learners due to the aquatic environment. By being able to measure performances such as lap times, turns etc. and also allow real-time communications with an instructor, we have made swimming easier to engage in and more motivating for athletes of any ability to participate. We believe this approach can be applied to many healthy pastimes and sports.</p> <p>This year we have finally completed and approved all equipment software and hardware – meaning the products are now market ready. We are looking now, for a local partner to develop an app to expand on this software – with particular regard to being able to collect and use data in conjunction with the system.</p> <p>Also looking investor help to adapt the system into different sporting diciplines.</p>
<p>创始人或核心团队 介绍/附照片</p> <p>Introduction of core team or founder</p>	 <p>introduction of core team and found</p>

申报企业确认

Confirm and stamp

本单位严格按照《2018 全球物联网创新成果点映评选办法》及其有关规定，如实提供相关材料。

不存在任何违反国家有关法律法规的情形，并确认以上申报产品无知识产权纷争。

如有不符，本单位愿意承担相关后果并接受相应的处理。

Our company well understand and fully accept all rules regarding 2018 Global IOT Contest. All the material we provided is veritable and reliable, without any intellectual property rights dispute.

申报人签字：

申报单位（章）：申报日期：30/8/2018

Signature and Stamp:





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