


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	Temboo		
申报品牌 Brand Name			
产品/方案名称 Product/Solution Name	Temboo	产品型号 Product Model	n/a
市场价格 Market Price	Annual Software as a Service (SaaS) subscriptions starting at \$1,000 to \$50,000 USD depending on features and usage	销售范围 Sales Scope	Industrial Automation, Manufacturing, Agriculture, Energy, Smart Buildings, & more
上市时间 Time of start selling	1/1/12	总销售量/或销售金额 Sales Volume	n/a
核心创新点、或卖点简述 Core point of innovation	<p>We've been working on IoT for years at Temboo, and we've seen first-hand how hard it is to get IoT solutions off the ground. That's why we developed our system to give people and companies an easier, more intuitive, and more human way to implement IoT from beginning to end.</p> <p>Temboo offers companies the tools to build, configure, manage, monitor, and analyze their own interoperable, intelligent, Industrial IoT systems. Our code-generation technology automatically produces the required program files for each hardware component as well as the cloud application that runs on Temboo's platform, enabling you to connect devices to 100+ APIs, databases programming utilities, and Temboo's flagship IIoT system:</p> <p>Online dashboards, available on any computer or mobile device, provide live graphs, detailed activity logs, controls to set rules for email & SMS alerts and actuator behavior, and remote over-the-air update capabilities ensure that companies are flexible enough to meet changing requirements. Predictions</p>		

	<p>and advanced analytics, powered by Machine Learning, detect anomalous events, potential problems before they happen, and optimal ways to set up your solution.</p> <p>A quick demo: https://goo.gl/U7ZxKE</p>
<p>申报产品详细介绍 Details information</p>	
<p>关键参数/技术指标 Key Parameter/ Technical Index</p>	<p>From the backend to our user interface, Temboo's technical specifications have been optimized for Enterprise-level performance:</p> <ul style="list-style-type: none"> • Generated code takes into account the desired architecture, chipset, sensors, actuators, and other details to create unique solutions for customers' needs. • Temboo's C and C++ libraries are designed to have a minimal footprint, ranging from 2.5k to 64k. • Clients and libraries are available in multiple languages e.g., iOS, Android, and Python, for use on mobile devices and Linux + MCU boards and gateways. • Designed for efficiency, Temboo embedded clients, libraries and auto-generated code utilize power management facilities specific to every chip to minimize power consumption. • Customers aren't limited to proprietary hardware. Temboo software libraries ship on millions of development boards. For others, Temboo's SDKs and Cloud APIs can be used. • Temboo-based systems run on any chip architecture that supports a standard C library, including ARM, AVR, PIC, STM32, M8C, and more. • Compatible with bare metal, RTOS and Linux-based MCUs. • Multiple device configurations are supported, including single MCU, MCU/Linux hybrid, MCU(s) and gateway, and more. • Multi-device system configurations are supported via MQTT and HTTP protocols. • Connect devices to Temboo via WiFi, GSM, Ethernet, Bluetooth LE (via companion mobile device), Zigbee and others with secured TLS connections.
<p>产品功能及特点描述 Product function / Feature Description</p>	<p>With sensors, low-cost microcontrollers, and new/existing industrial controllers (PLCs, etc), businesses can use Temboo to surface previously opaque data on anything from infrastructure-health monitoring to manufacturing line processes. This data can be passed into a system as described above.</p> <p>Temboo has also been granted a number of patents in both the US and China.</p> <p>Additional features:</p>

	<ul style="list-style-type: none"> ● View live sensor data graphs over multiple time scales, augmented with automatically summarized KPIs. ● Remotely control analog and digital sensors and actuators from any internet-connected device. ● Machine Learning-powered insights: get automatic notifications when anomalous sensor events are detected, and get advice on how you can optimize your system for the outcomes that you care about. ● Application logic is intelligently distributed across system components based on your requirements, so you can get the most out of your embedded hardware and the cloud. ● Offline storage: the Temboo gateway application continues to collect and store sensor data when your system is offline, uploading it to the cloud when a connection is re-established so you won't miss a thing. ● Smart batching: the Temboo gateway application can batch and compress sensor values to periodically send to the cloud, saving on data costs when connecting via cellular. ● Power-Sensitive Code: Embedded edge device code is optimized to consume as little power as possible, extending the life of your wireless sensors. ● Easily push over-the-air updates to application logic and embedded firmware. ● Hardware Interoperability: Temboo can support effectively any type of embedded hardware, and has been fully tested on devices from Texas Instruments, Nordic, Siemens, and a growing list of manufacturers. ● Supported Connectivity & Protocols: Wifi, Ethernet, Zigbee, Bluetooth 5, Bluetooth Mesh, Modbus, MQTT, and more to come. ● Secure connections: All Temboo devices establish secure TLS-based connections to the cloud, encrypting your data in transit.
<p>产品外观照片/宣传彩页 Photo / Brochure</p>	<p>See attached files</p>

<p>企业介绍 Company Profile</p>	<p>NYC-based and privately funded with no immediate financial need for capital, Temboo has customers globally and we are scaling.</p> <p>As experts in MCUs, PLCs, APIs, and more, Temboo is uniquely positioned to help companies implement IoT solutions without all the complexity of other solutions on the market.</p> <p>We are supported by major semiconductors (Texas Instruments, Samsung, etc) that ship our libraries on millions of devices as well as major web services (Amazon, Microsoft, etc) that work with us to make their APIs more accessible.</p>
<p>创始人或核心团队介绍/附照片 Introduction of core team or founder</p>	<p>Trisala is the CEO and co-founder of Temboo, an NYC startup that's reimagining programming by empowering organizations to implement their own Industrial Internet of Things solutions in their products, processes, and facilities, through its machine-generated code technology. Trisala grew up in Switzerland, is a member of the Board of Directors of the Freelancers Union, and holds a graduate degree from Harvard.</p> <p>Temboo's team holds graduate degrees from institutions like Harvard, Stanford, MIT, and Caltech; with a range of industry experience from businesses like Exxon Mobil, Walmart, Siemens, and Apple.</p>
<p>申报企业确认 Confirm and stamp</p>	
<p>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。</p> <p>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。</p> <p>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.</p> <p>申报人签字： 申报单位（章）： 申报日期： Signature and Stamp: 8/30/18</p> 	



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