



The Future of Locking.

Lightweight. Remotely Activated. Intelligent.



Limited

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Digital Locking Device.



Shape Memory Alloy Actuation.



NASA Tech Brief
Product of The Year 2005.



Embedded Microchip.



Lightweight and Compact.



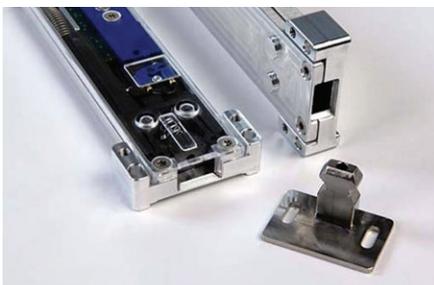
Patent Protected – 182 Applications.



Integrated Sensing and Switching.

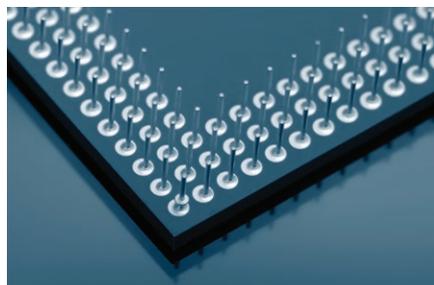


Less Power Hungry.



New Class of Locking Devices

- > Mechanical locking mechanisms actuated by a shape memory alloy engine.
- > Range of locking device configurations.
- > Fit for purpose design, flexible for system integration.



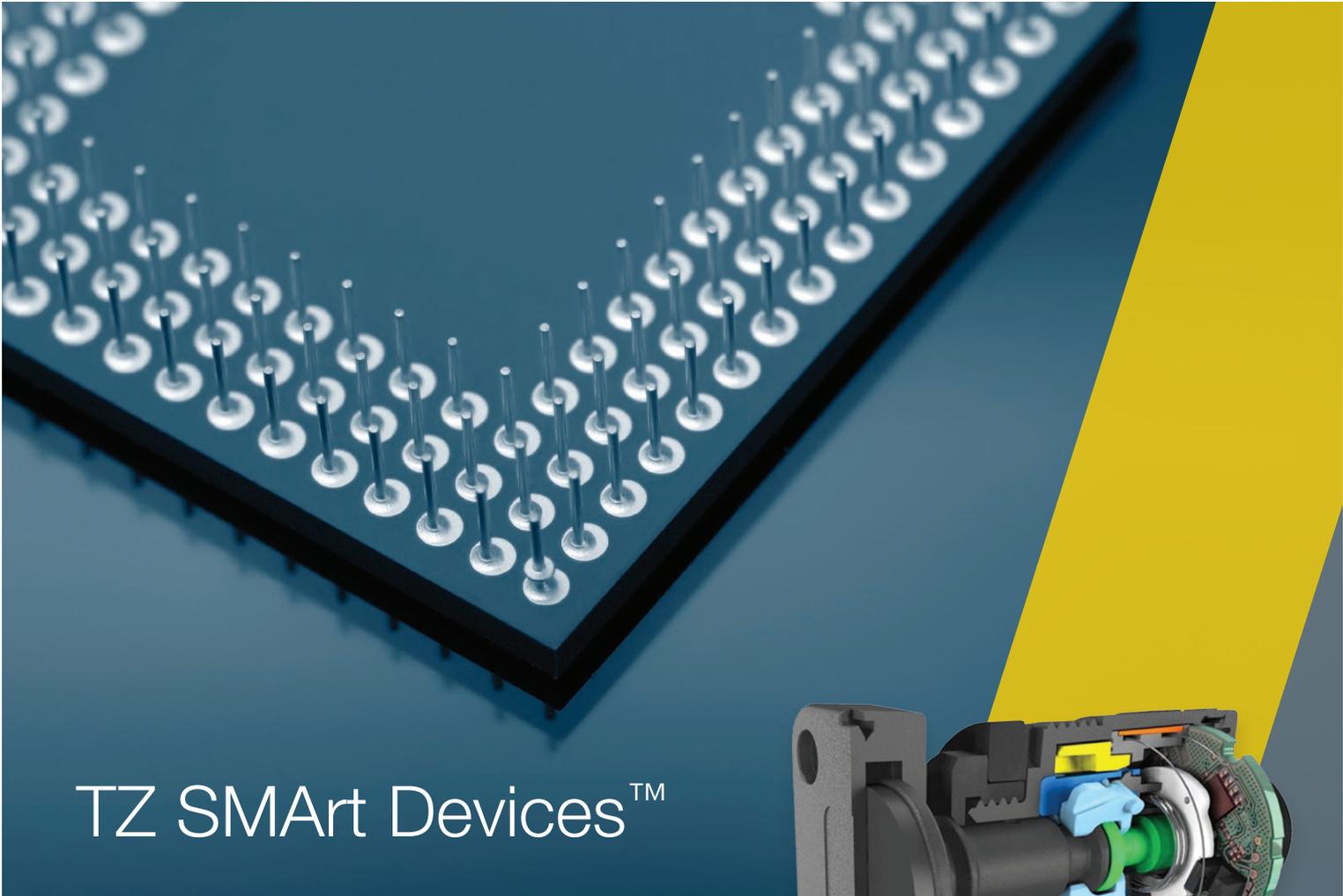
Embedded Electronics and Integrated Sensors

- > Embedded microprocessors manage energy delivery, and control locking.
- > Integrated sensors for status and health monitoring.
- > Provides for addressability and locking networking.



Software Control

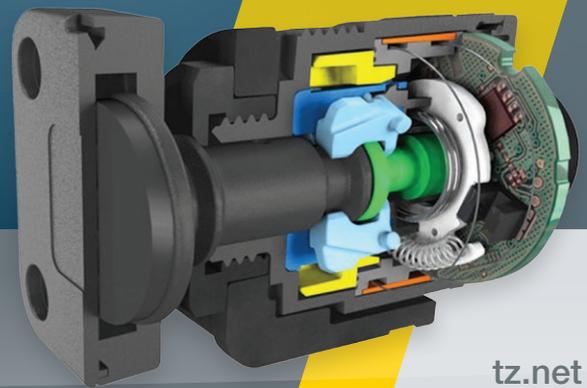
- > IP addressable lock operating system enables remote mechanism control, sensing and communications functions.
- > Application software to suit application requirements.



TZ SMARt Devices™



Limited



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“We have the collective power to transform ideas into truly amazing commercial offerings that will change the way we use, maintain, repair and protect the things around us.”

SMARt Locking Device Networks

Enable Automation and Control for:

- > Increased Security and Protection
- > Granular Audit and Compliance
- > Improved Optimisation - Reducing Costs
- > Improved Productivity
- > Reducing and Managing Risks

Over the past decade billions of people have connected themselves to the Internet via the computer and more recently, mobile devices. Today, that communication revolution – the most pervasive technology event on earth – is extending to objects as well as people. The ‘Internet of People’ has become the ‘Internet of Things’, whereby sensors and actuators embedded in the physical objects around us can exchange information and work in synergy to significantly improve the way we do business.

TZ is at the forefront of shape memory alloy (SMA) actuated smart locking device technology. Over the past 10 years, TZ’s intelligent, remotely actuated devices have migrated from deployments in aerospace, military and automotive applications to new real world solutions. Their inherent ability to sense, process, act and audit activity based on programmable instructions delivered on-line means that TZ systems can track and respond to the behavior of people, things and data through space in real-time.

TZ SMARt Device™ networked solutions provide enhanced situational awareness that enables swift and dynamic responsiveness to ultimately deliver optimal value added function, utility and service.