

Kudelski IoT keySTREAM™

IoT Security Enablement: Securely Connect, Manage & Update Your IoT Devices

BENEFITS

We enable trust, integrity and control throughout the entire IoT product lifecycle.

Your long-term success depends on your ability to build on trusted foundations (your data, your devices, your connectivity), along with your ability to efficiently manage, scale and update your IoT ecosystem.

We provide a device-to-cloud solution for securing

your all the key assets of your IoT ecosystem, end to end and during its entire lifecycle.

We integrate seamlessly with your devices and backend, enabling and securing all the applications and use cases that drive your connected business.



Establish Trust

Give every IoT device a unique identity that is immutable, unclonable and forms the foundation for any IoT security function.



Ensure Integrity

Protect data at rest and in motion, ensuring it is authentic, comes from a verified source and hasn't been tampered with.



Enforce Control

Prevent unauthorized commands or software from being executed on a device, and control access to data using fine-grained policies.

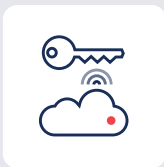


Full Product Lifecycle

Respond to evolving threats and new security requirements by actively managing the product from launch through end of life, using advanced security technology and services.

USE CASES

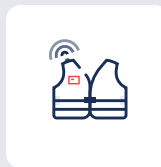
Use keySTREAM to secure a multitude of use cases!



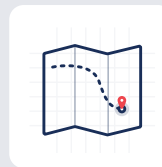
Key / Device Management



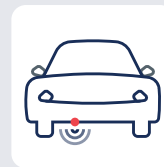
Smart Energy



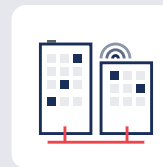
Smart Wearables



Asset Tracking



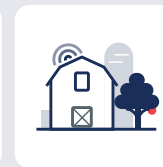
Connected Cars



Smart Buildings



Smart City



Smart Agriculture

ABOUT KUDELSKI GROUP

Kudelski IoT is the Internet of Things division of Kudelski Group and provides end-to-end IoT solutions, IoT product design, and full-lifecycle services to IoT device manufacturers, ecosystem creators and end-user companies.

These solutions and services leverage the group's 30+ years of innovation in digital business model creation; hardware, software and ecosystem design and testing; state-of-the-art security lifecycle management technologies and services and managed operation of complex systems.

\$100B
revenues enabled annually

32
offices worldwide

3250
employees

\$741M
revenues (2020)


500M
users

70
years of innovation

INTEGRATION OPTIONS


Embedding trust and creating device reach

Every device profile is different in terms of power consumption and computing power. Kudelski IoT therefore offers a wide variety of different client options in order to ensure the easiest possible integration with your device.



Software Root of Trust


- Kudelski-Hardened Software
- Trusted Execution Environment



Discrete Secure Elements

- Telco-Specific SIM (eUICC)
- M2M & Consumer
- Kudelski Pico SE - 800

Get started with our Pico SE DevKit!



Integrated Secure Elements

- iSE (Kudelski IP in 3rd party SoCs)


GET STARTED NOW


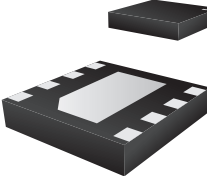
Test our Portal, the keySTREAM Server as a Service

In five simple steps you can integrate and test our solution and quickly see for yourself the power it provides.

- ### 1 Get a secure element

Get a Secure Element – our Pico SE - 800 – or a development kit through our network of partners, Ingram Micro, SEEED and more.. (see website).

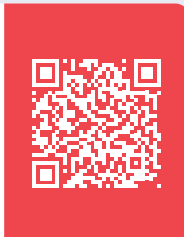

 We built a shield that plugs into a Raspberry PI and includes the PicoSE so you can easily evaluate keySTREAM.


- ### 2 Access the keySTREAM portal

Create your own keySTREAM account and get access to free resources everything you need for a smooth start wIREAM.

[Management interface](#) [System documentation](#) [Code samples](#)

[Demo use cases & tutorials](#) [FAQs](#)


- ### 3 Authenticate & connect your devices

Authenticate and connect your devices through the secure on-boarding process. At this stage, you can on-board up to 5 devices for free, with the complete feature set available.
- ### 4 Run some example use cases

Download and run some sample use cases such as a smart wearable, enabling security services from keySTREAM: unique identity, late provisioning, data protection, remote feature authorization and others.
- ### 5 Develop your own use case & deploy

Develop your own use case using the development kit or integrate the PicoSE with your own device.

If our Secure Client Library is not available for your target platform, request an integration quote from our team.

You can deploy your solution for your customers using the same keySTREAM account, using the user interface or the APIs to integrate with your platform.