SESIP

Methodology, Security Labelling, Applicability

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April 14th, 2022

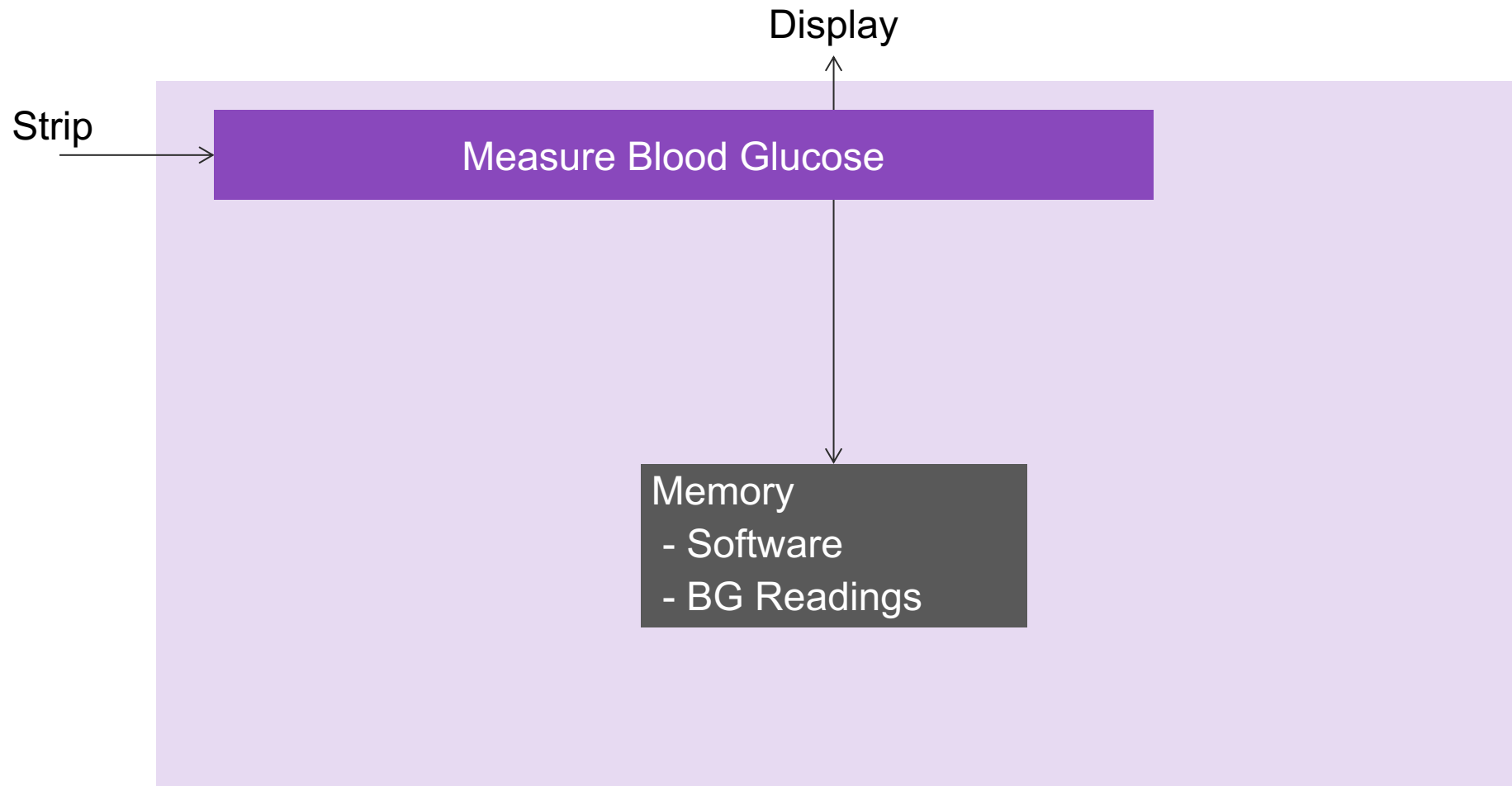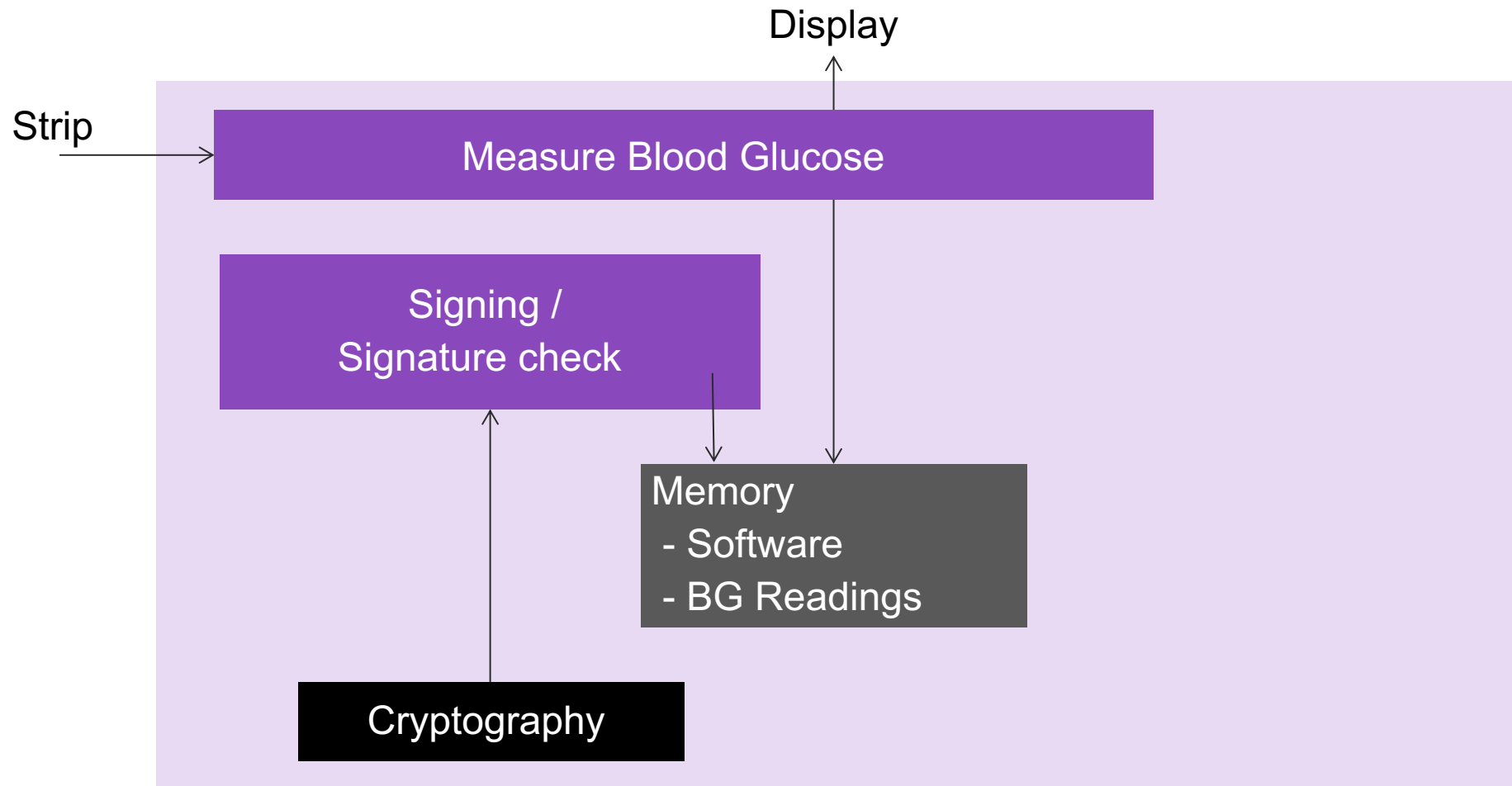**SGS | brightsight**

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THE STANDARD FOR SECURE DIGITAL SERVICES AND DEVICES

Why SESIP?

So now I have a SESIP-certificate…
Now what?

Once upon the time…

Simplified Architecture

Display

Strip ──▶

Measure Blood Glucose

Memory
 - Software
 - BG Readings

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Simplified Architecture

Simplified Architecture

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Simplified Architecture

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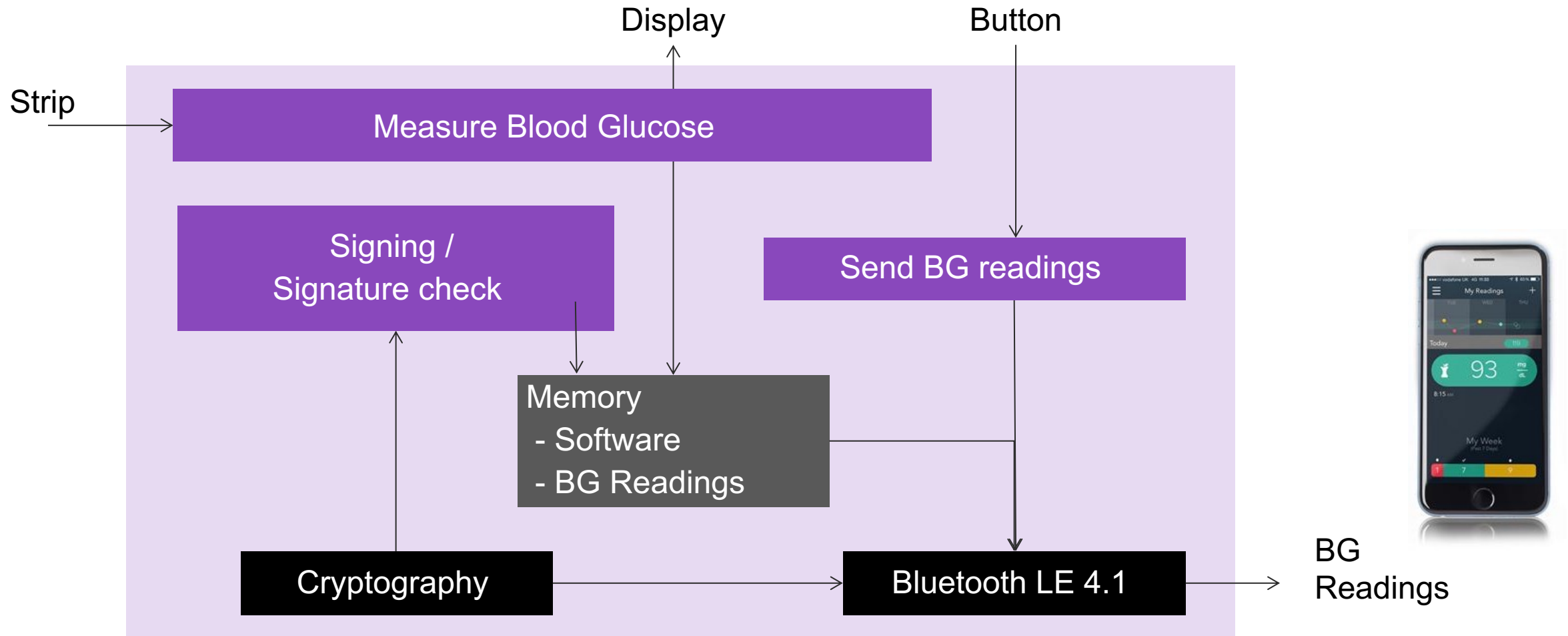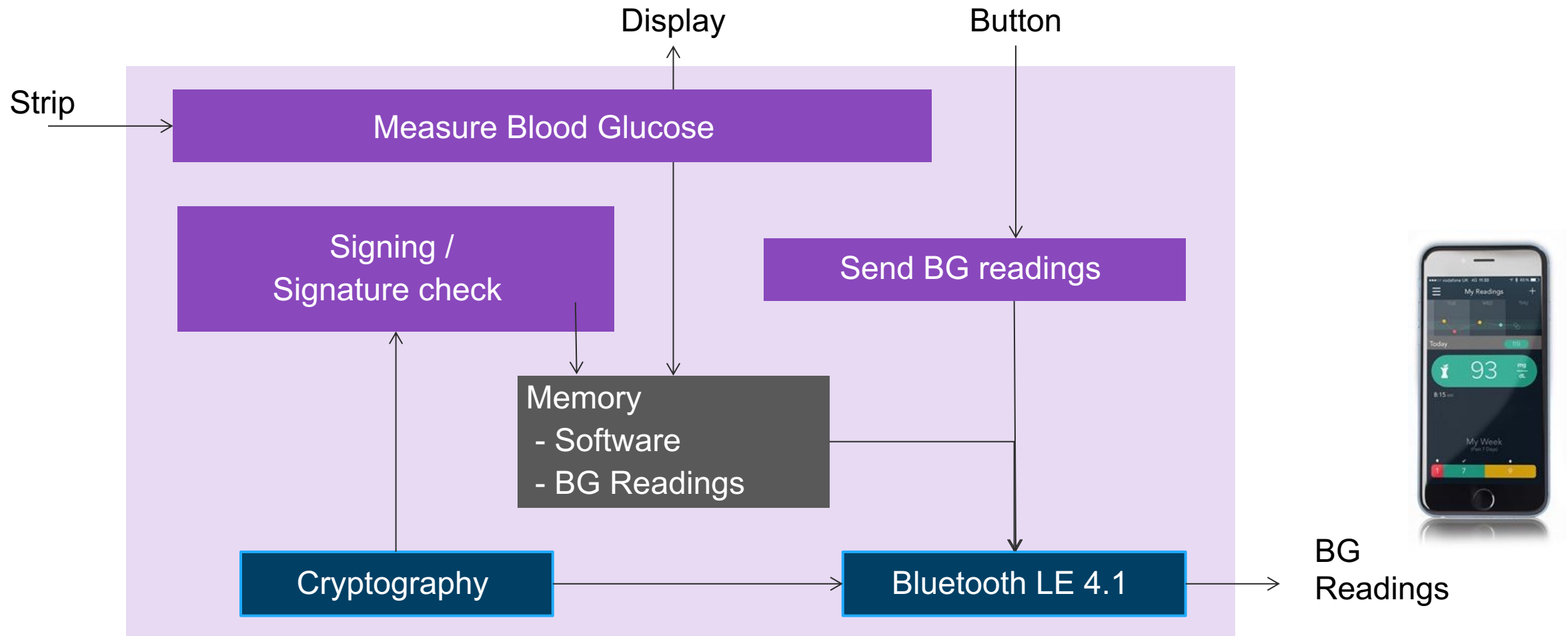
Developer created half, bought half

Display

Button

Strip → Measure Blood Glucose

Signing /
Signature check

Send BG readings

Memory
- Software
- BG Readings

Cryptography

Bluetooth LE 4.1

BG Readings

OEM security challenge

IoT OEM developer
(end point)

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OEM security challenge

IoT OEM developer (end point)

Security problem

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OEM security challenge

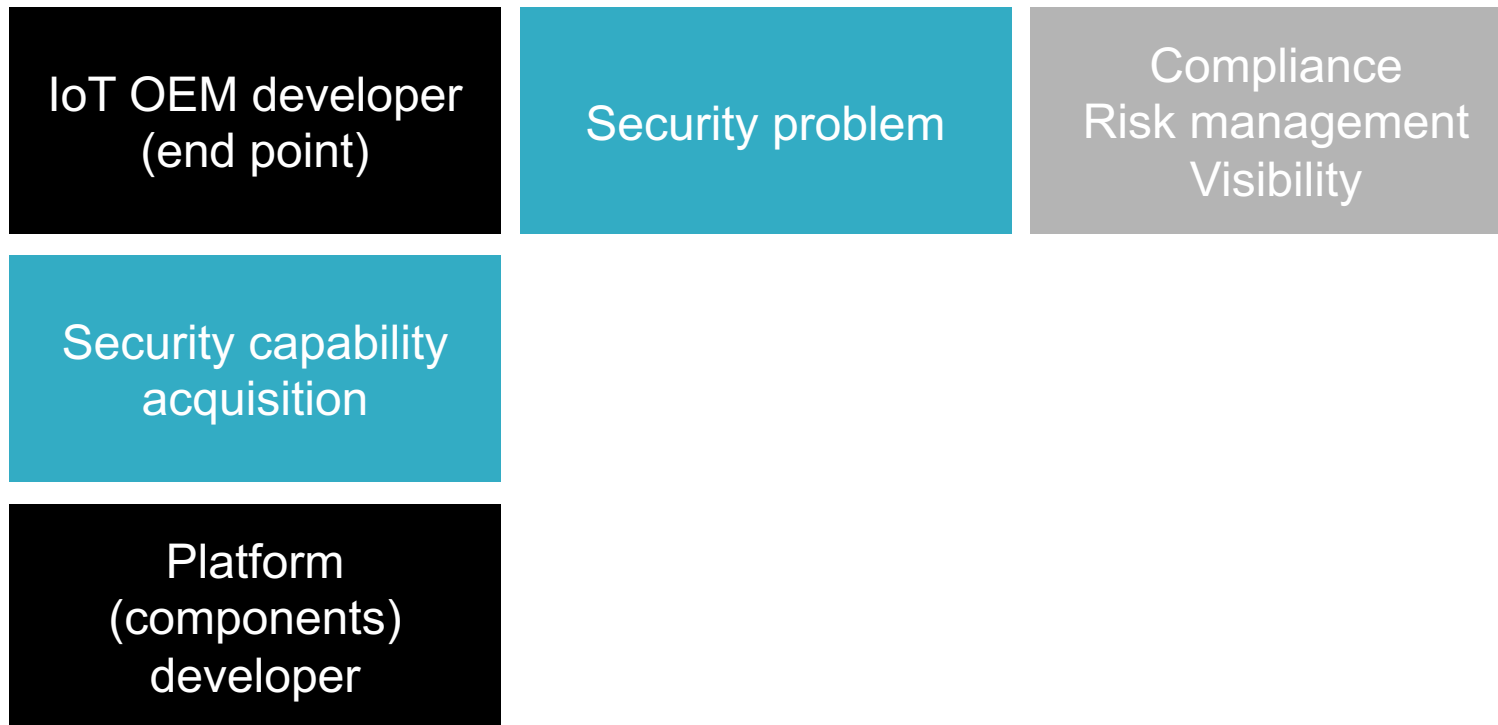| IoT OEM developer (end point)	Security problem	Compliance Risk management Visibility

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OEM security challenge

IoT OEM developer (end point)

Security problem

Compliance
Risk management
Visibility

Security capability acquisition

Platform (components) developer

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Supplier challenge

Platform (components) developer

Supply problem

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Supplier challenge

Platform (components) developer	Supply problem	Metrics Visibility Strength

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Supplier challenge

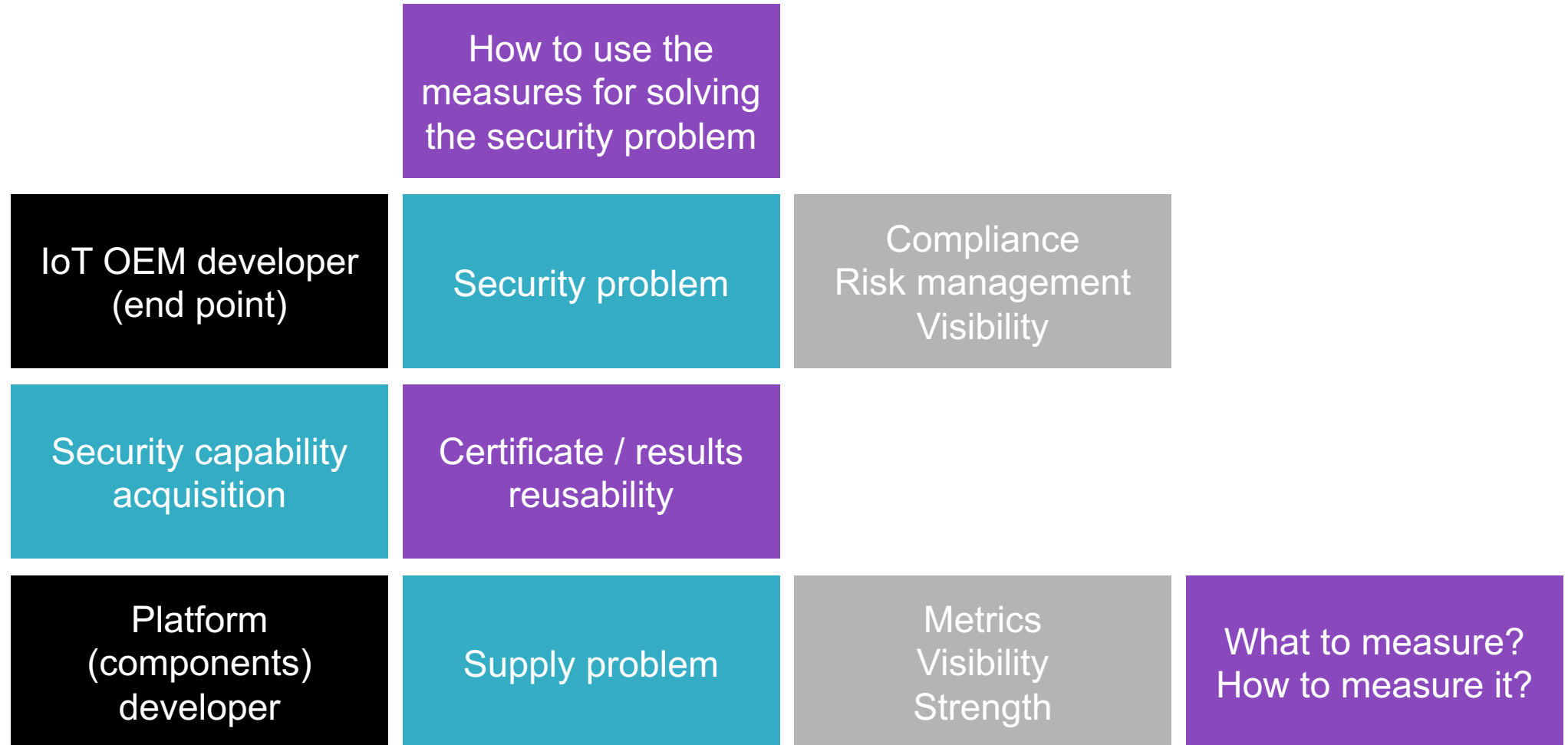| Platform (components) developer	Supply problem	Metrics Visibility Strength	What to measure? How to measure it?

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Industry challenge

IoT OEM developer (end point)	Security problem	Compliance Risk management Visibility	
Security capability acquisition			
Platform (components) developer	Supply problem	Metrics Visibility Strength	What to measure? How to measure it?

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Industry challenge

	How to use the measures for solving the security problem		
IoT OEM developer (end point)	Security problem	Compliance Risk management Visibility	
Security capability acquisition			
Platform (components) developer	Supply problem	Metrics Visibility Strength	What to measure? How to measure it?

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SESIP: the solution

	How to use the measures for solving the security problem		
IoT OEM developer (end point)	Security problem	Compliance Risk management Visibility	
Security capability acquisition	Certificate / results reusability		
Platform (components) developer	Supply problem	Metrics Visibility Strength	What to measure? How to measure it?

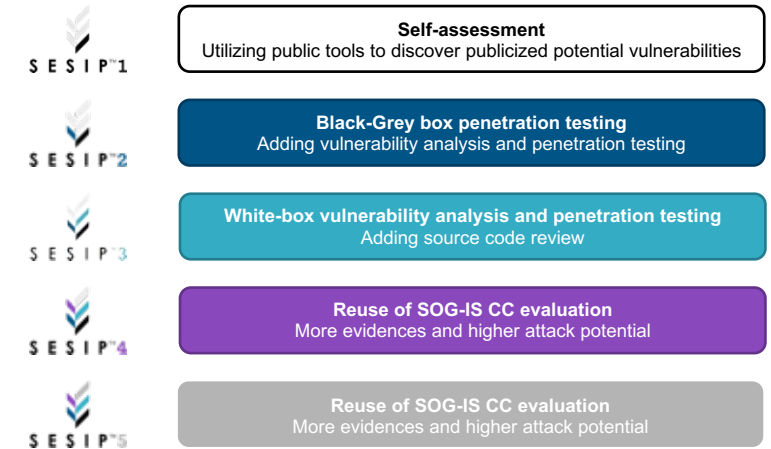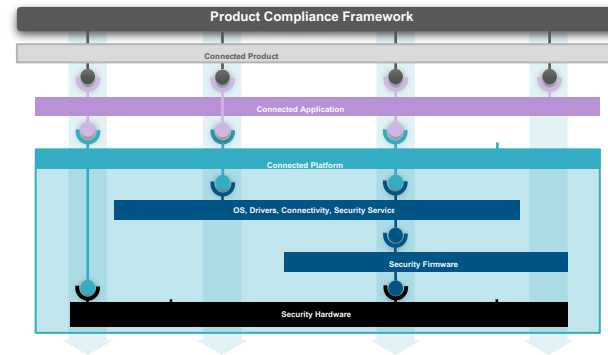GLOBALPLATFORM®

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Ecosystem Complexity

- Method **unifying compliance** to standards, regulations and security requirements

Products Complexity

- **Flexible** method for efficient evaluation of all product combinations
- Suited for **composition** and **re-use**

Security Context

- **Efficient definition** of IoT security requirements
- Evaluation **adaptable** to attack context
- **Understandable** by all stakeholders

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Security evidence for compliance and more

https://iotsecuritymapping.uk/

So now I have a SESIP-certificate…
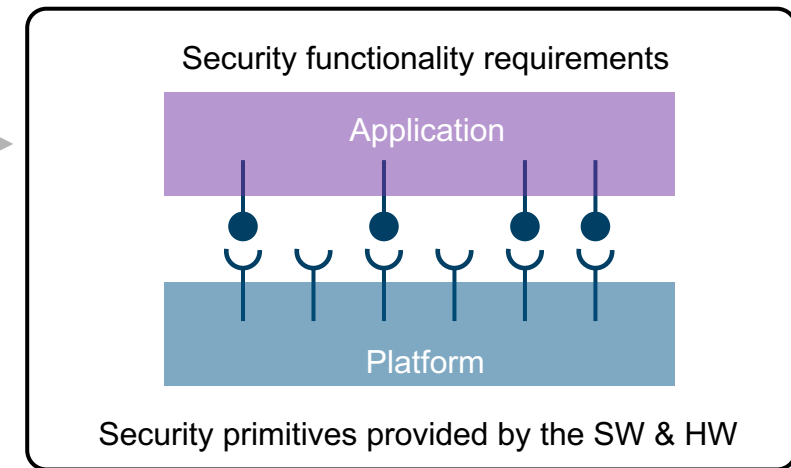Now what?
Who asks for it?

What is an IoT platform

HW and SW components integrated for the purpose of providing functionality and supporting IoT device functionalities

IoT Device

Security functionality requirements

Application

Platform

Security primitives provided by the SW & HW

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Welcome to the SESIP ecosystem

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SESIP

Designed for IoT platform evaluations, scalable solution to a fragmentation problem

Optimized security evaluations

Suitable to meet many IoT standards for products on these platforms

Supported by a number of big players in the industry with more coming in

Multiple components, and platforms, are available today for composition

Working hard on further recognition

Join the **SESIP** conversation @GlobalPlatform

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