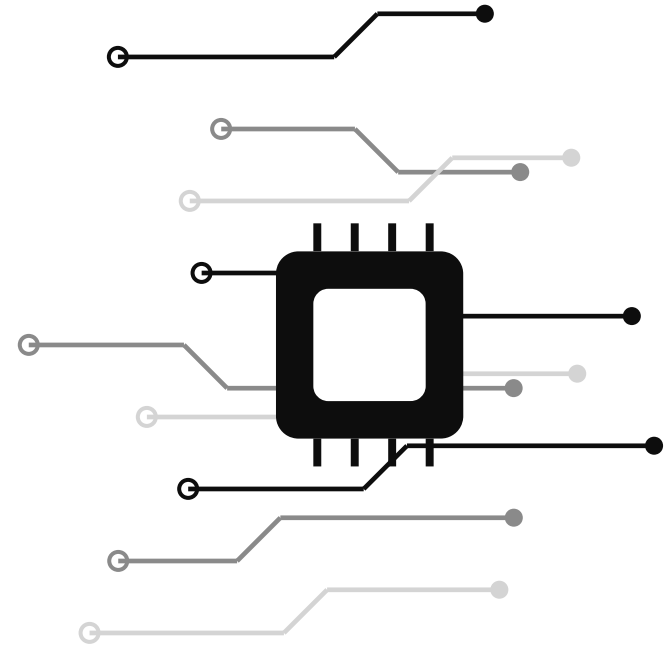


2026 Internet of Things (IoT)

Connected devices that sense, think and act



02 | Agenda

01

Introduction

02

Architecture

03

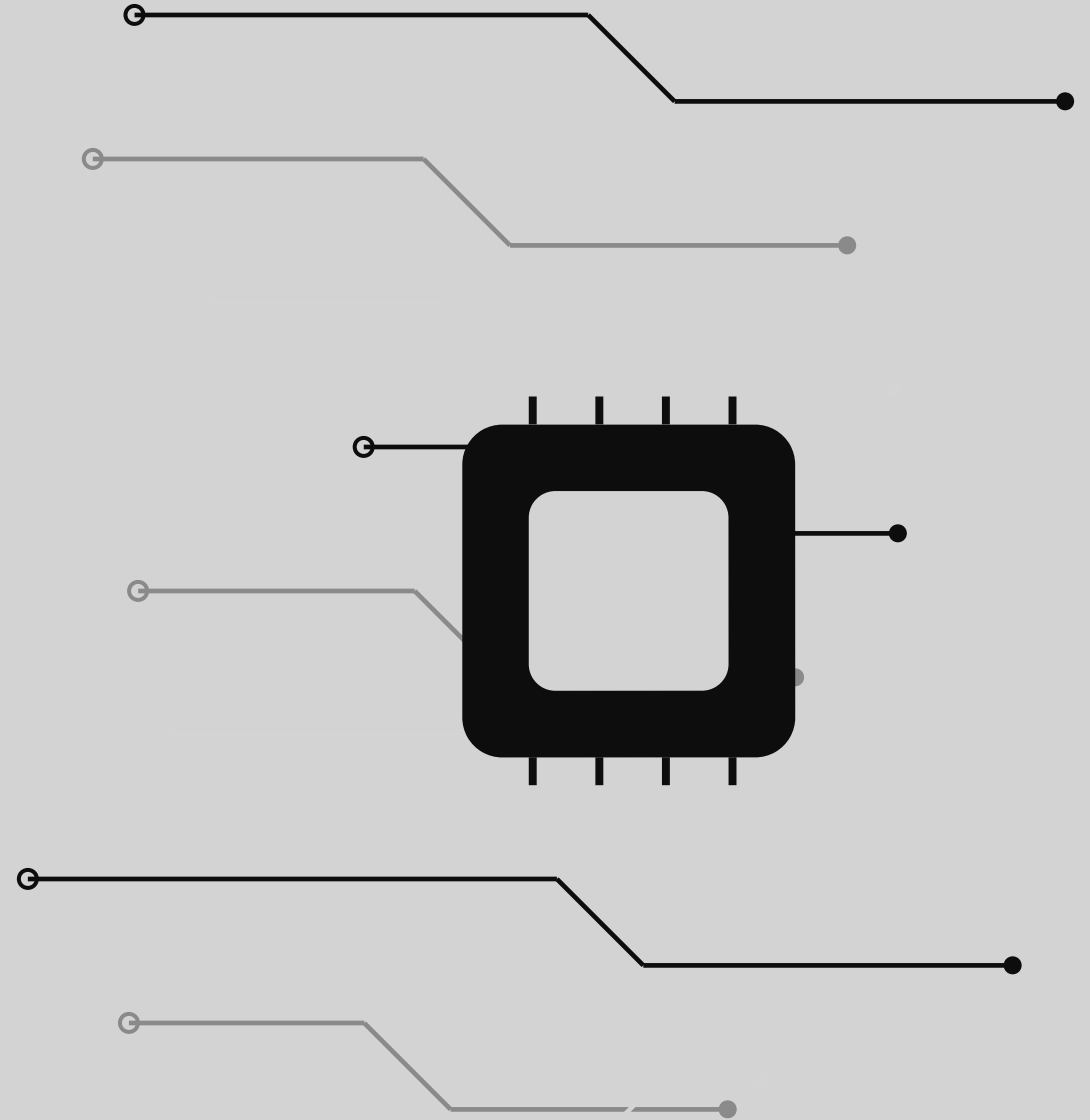
Trends

04

Adoption

01

INTRODUCTI ON





**When everyday objects
can talk, everything gets
smarter.**

Why it matters

05 | Overview

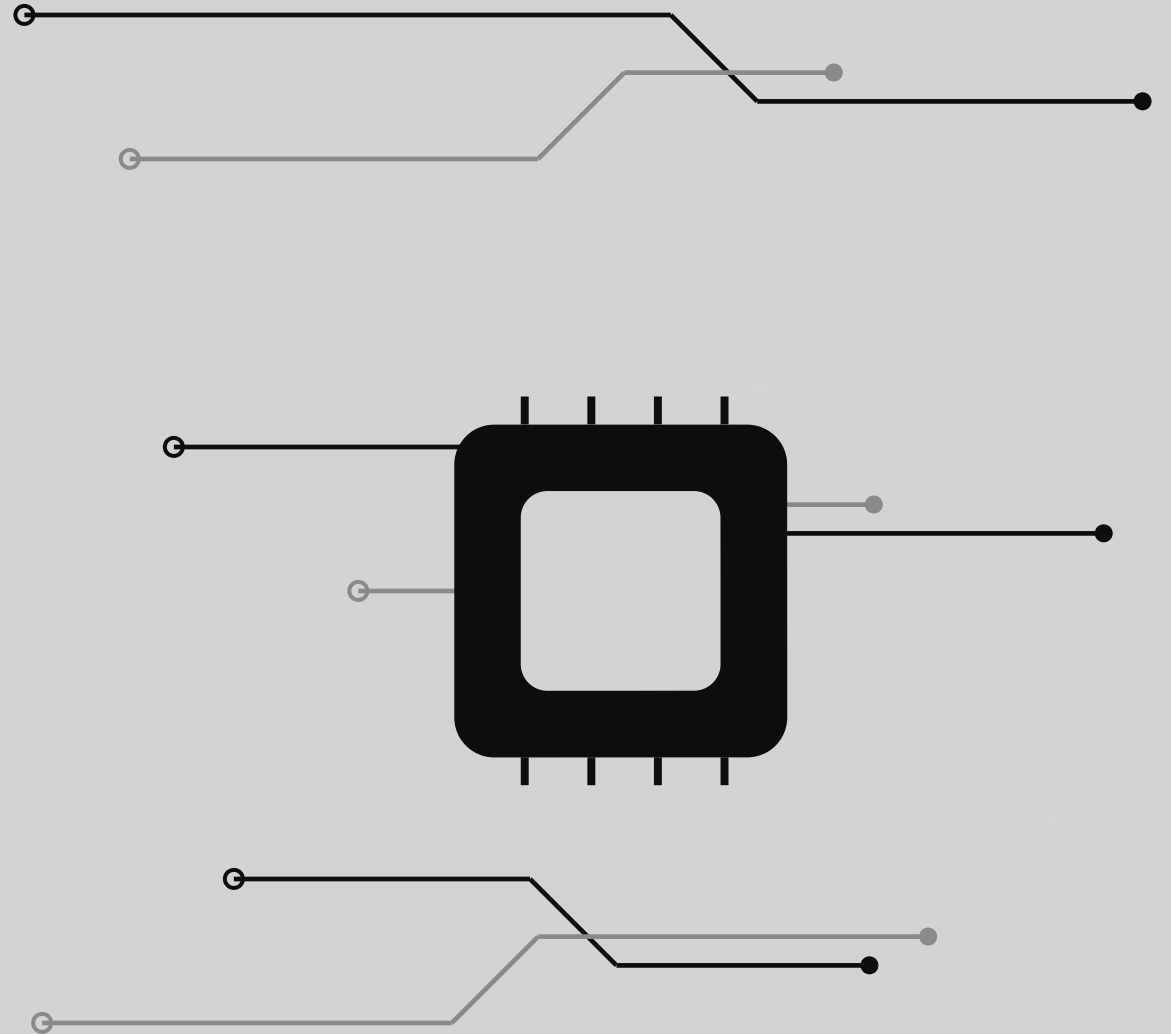
- IoT connects sensors and devices to the internet
- Data from devices drives automation and insight
- Used in homes, farms, factories and cities
- Security and power are key design challenges

KEY IDEA

Design for low power and secure updates from day one.

02

ARCHITECTURE



07 | How it works



Sense

Sensors measure the world



Connect

Wi-Fi, BLE, LoRa or cellular



Analyse

Edge or cloud processing



Act

Alerts and automatic control

08 | Core components



Devices

Sensors and actuators.



Connectivity

Networks and protocols.



Platform

Data, dashboards and rules.

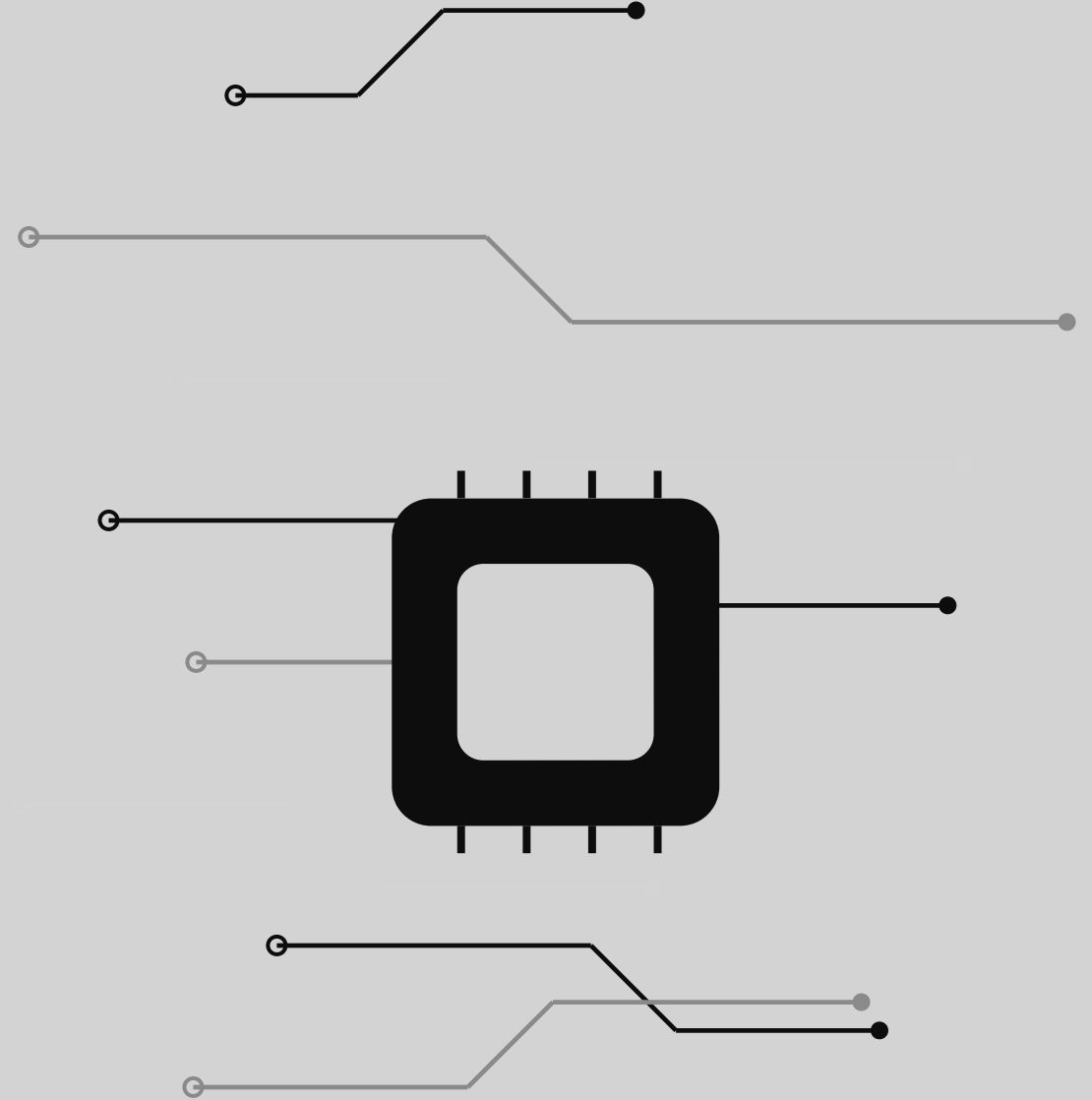
09 | Tools and options

Layer	Popular choices	Notes
Boards	ESP32, Raspberry Pi	Cheap prototyping
Protocols	MQTT, HTTP, CoAP	Lightweight messaging
Platforms	Dashboards and rules engines	Start with open source

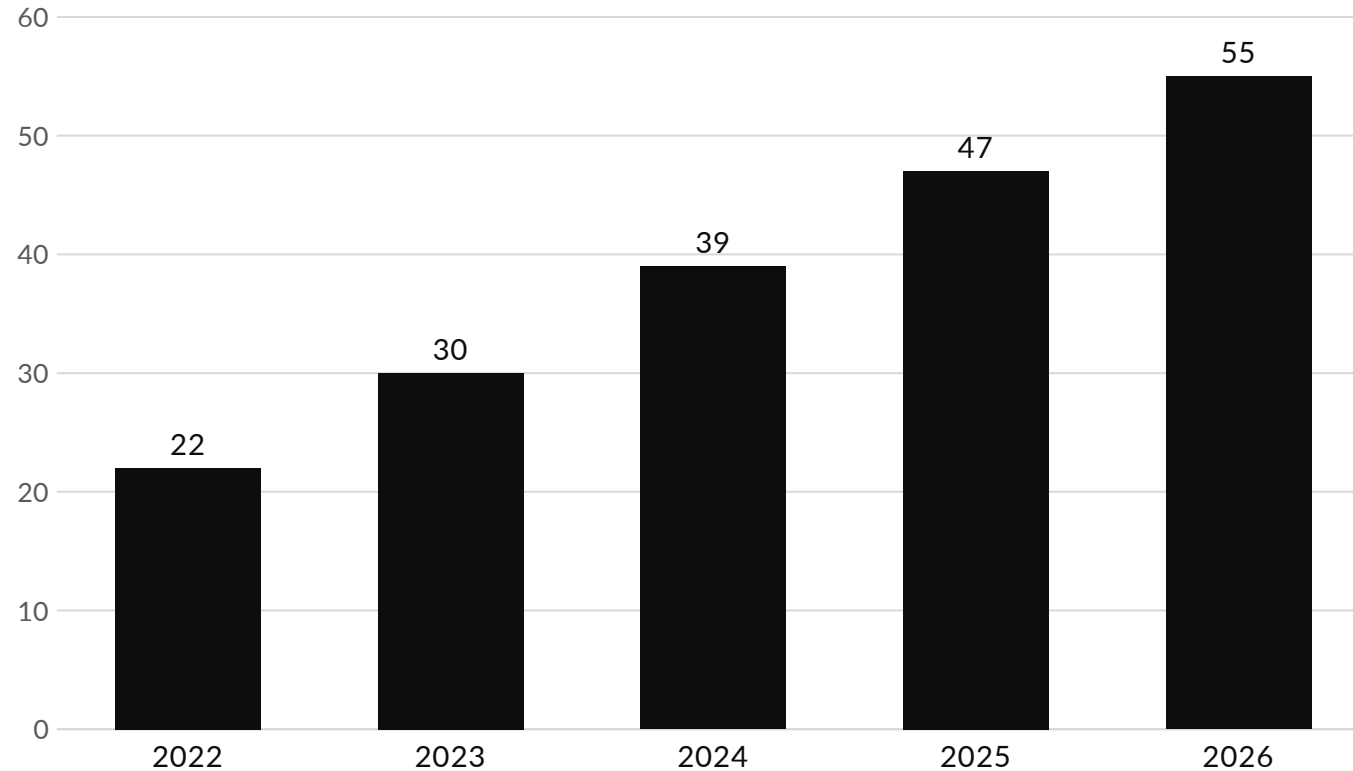
Generic examples; pick what fits your project.

03

TRENDS



11 | Adoption over time



Adoption keeps rising as tools mature (sample data).

Sample data for illustration — replace with your own figures.

12 | Use cases



Image 1

Smart agriculture

Soil and weather sensing



Image 2

Smart homes

Lights, locks and energy



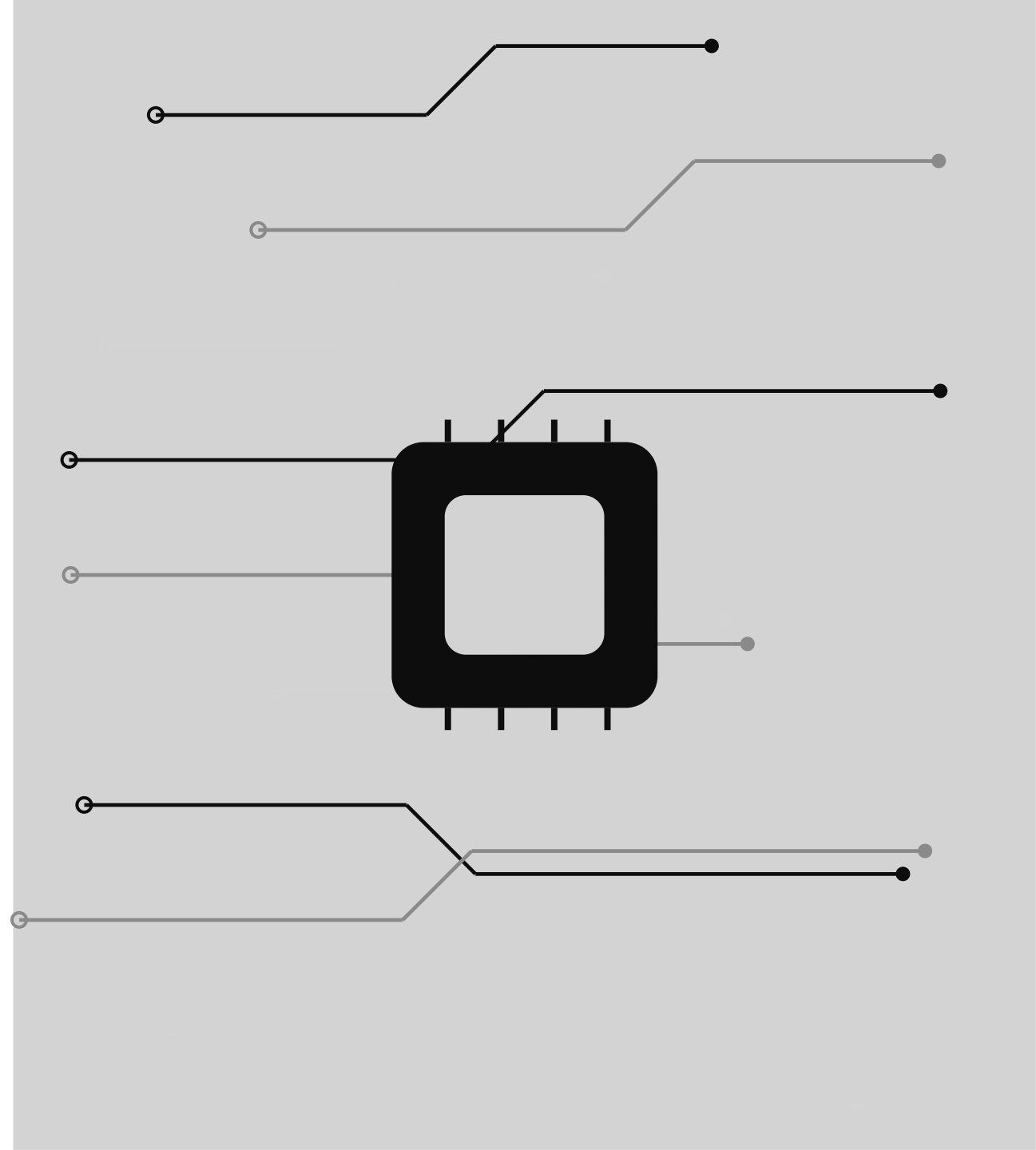
Image 3

Industry

Predictive maintenance

04

ADOPTION



14 | Benefits and risks

Benefits

- ✓ Real-time visibility
- ✓ Automation saves cost
- ✓ New services possible

Risks

- Security vulnerabilities
- Battery and power limits
- Interoperability gaps

15 | Best practices



Secure by default

Unique credentials per device.



Plan updates

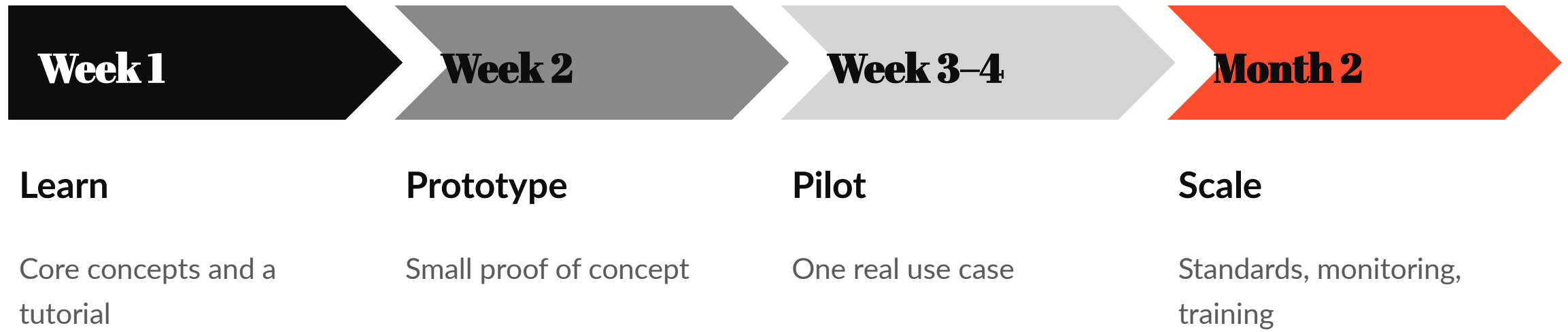
Over-the-air firmware.



Collect less

Only the data you need.

16 | Getting started roadmap



Questions?

Thanks for your time.

Presenter Name

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