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## What's next for Project mangOH™?

Ashish Syal, Principal Engineer, CTO Group

Ken Arnold, Marketing Director, Embedded Solutions



## One year ago...



IDEA

to

PROTOTYPE

to

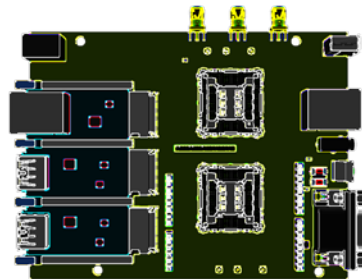
PRODUCT



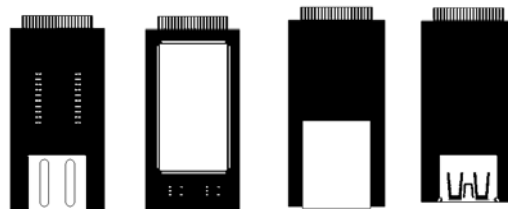
# Core components of Project mangOH™



## 1. Reference Designs



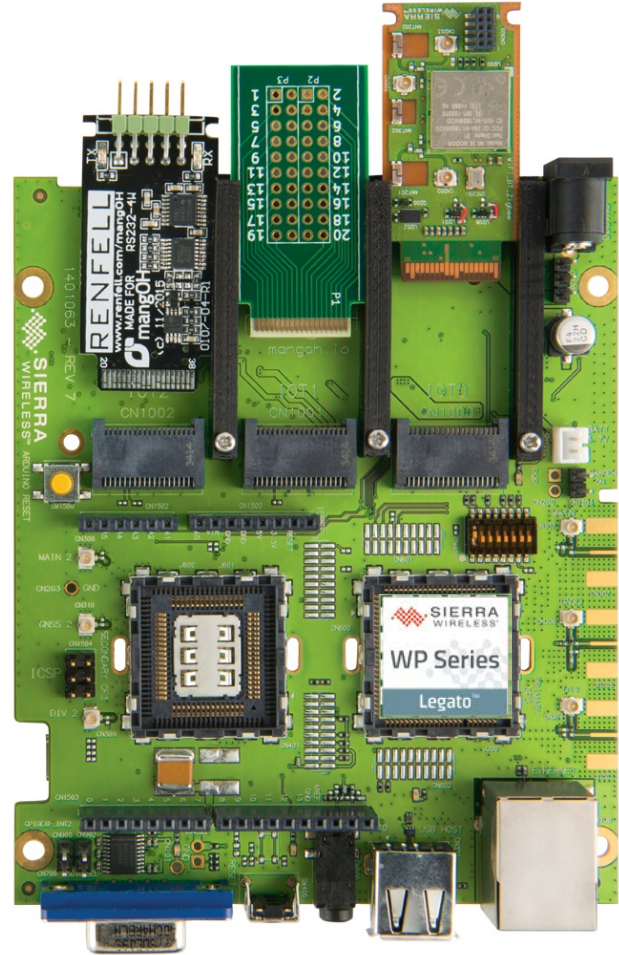
## 2. IoT Expansion Cards



# Building the IoT



mangOH™ Green



# mangOH™ Green

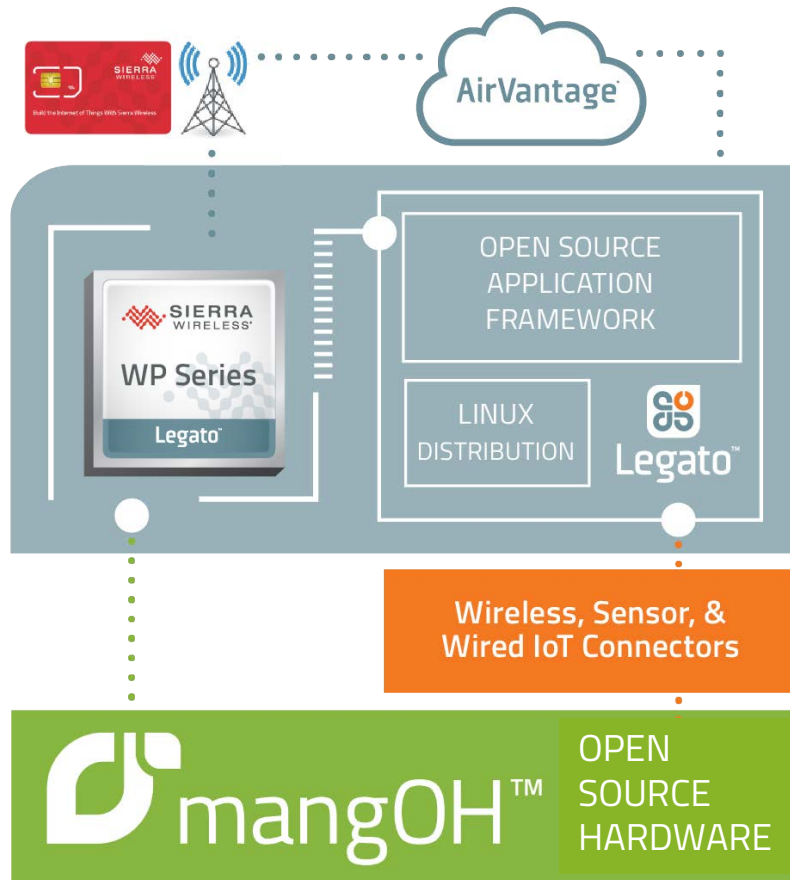


mangoh.io



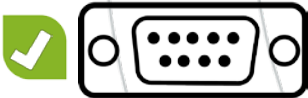
GitHub

element14



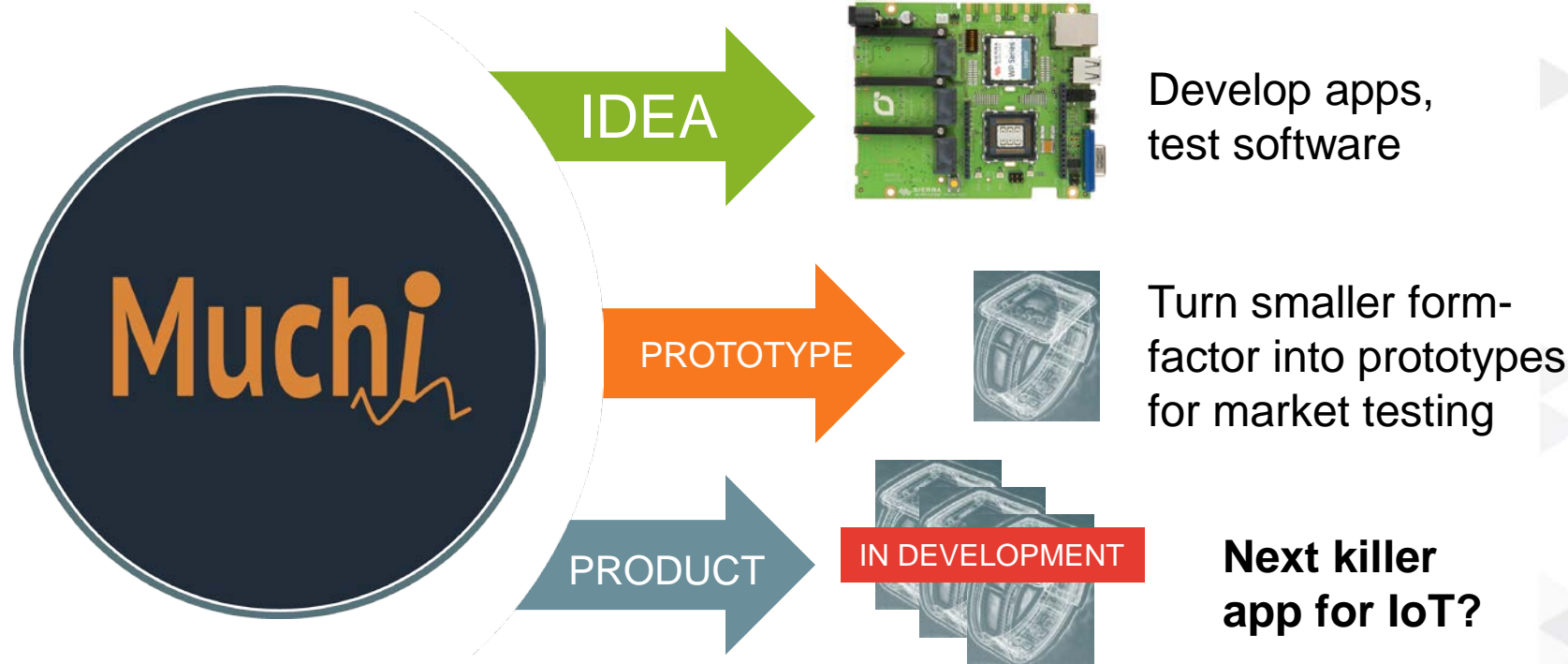


# IoT Expansion Cards





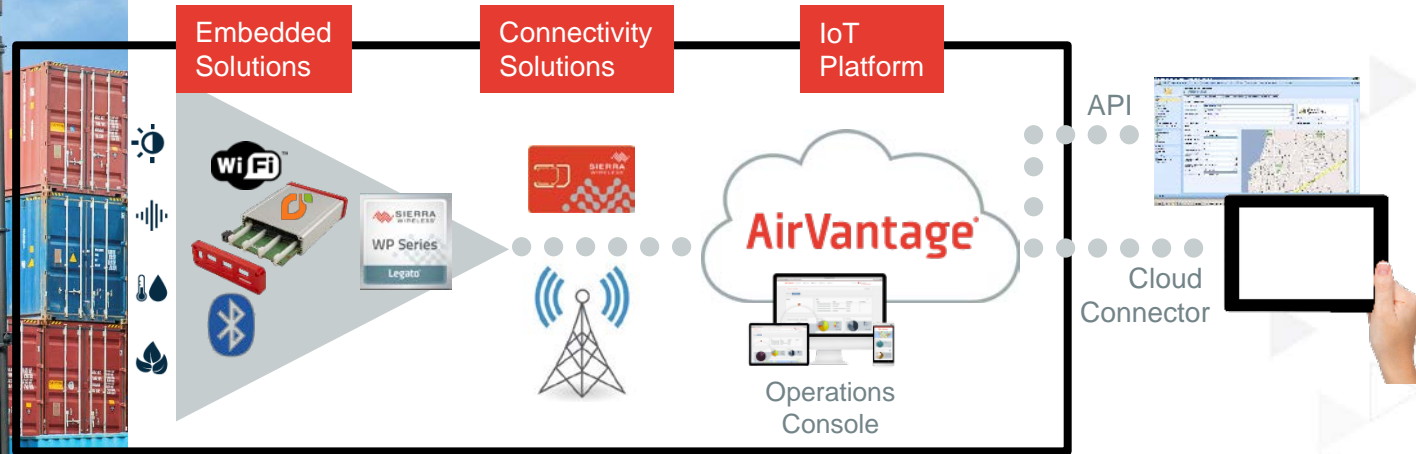
# Early adopters







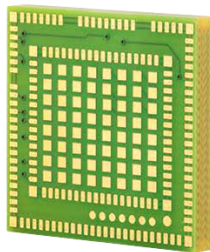
# E2E (end-to-end) application enablement







# Heart of mangOH™ Green demos



- **WP8548**  
(3G, Worldwide)
- **WP75xx**  
(4G CAT-4, NAM/EMEA)

**QUALCOMM**  
CHIPSET



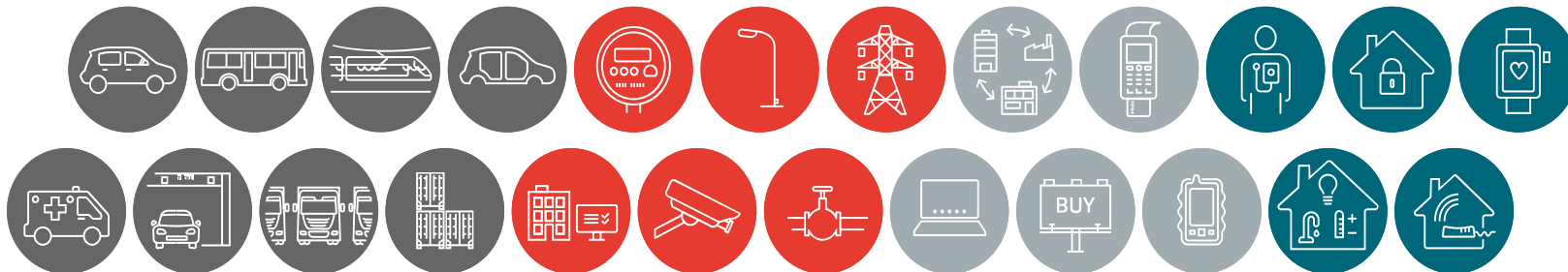
# Diversity of industrial IoT applications

Automotive  
& Transport

Energy  
& Industrial

Enterprise

Residential  
& Healthcare



There is no one-size fits all for IoT



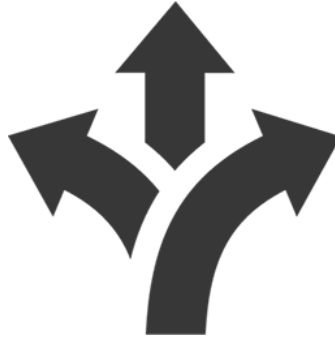
mangOH<sup>TM</sup> Red



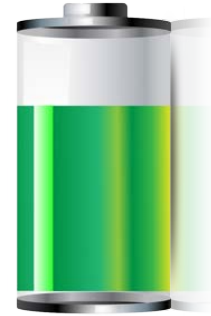
# Requirements for industrial IoT applications



Connectivity



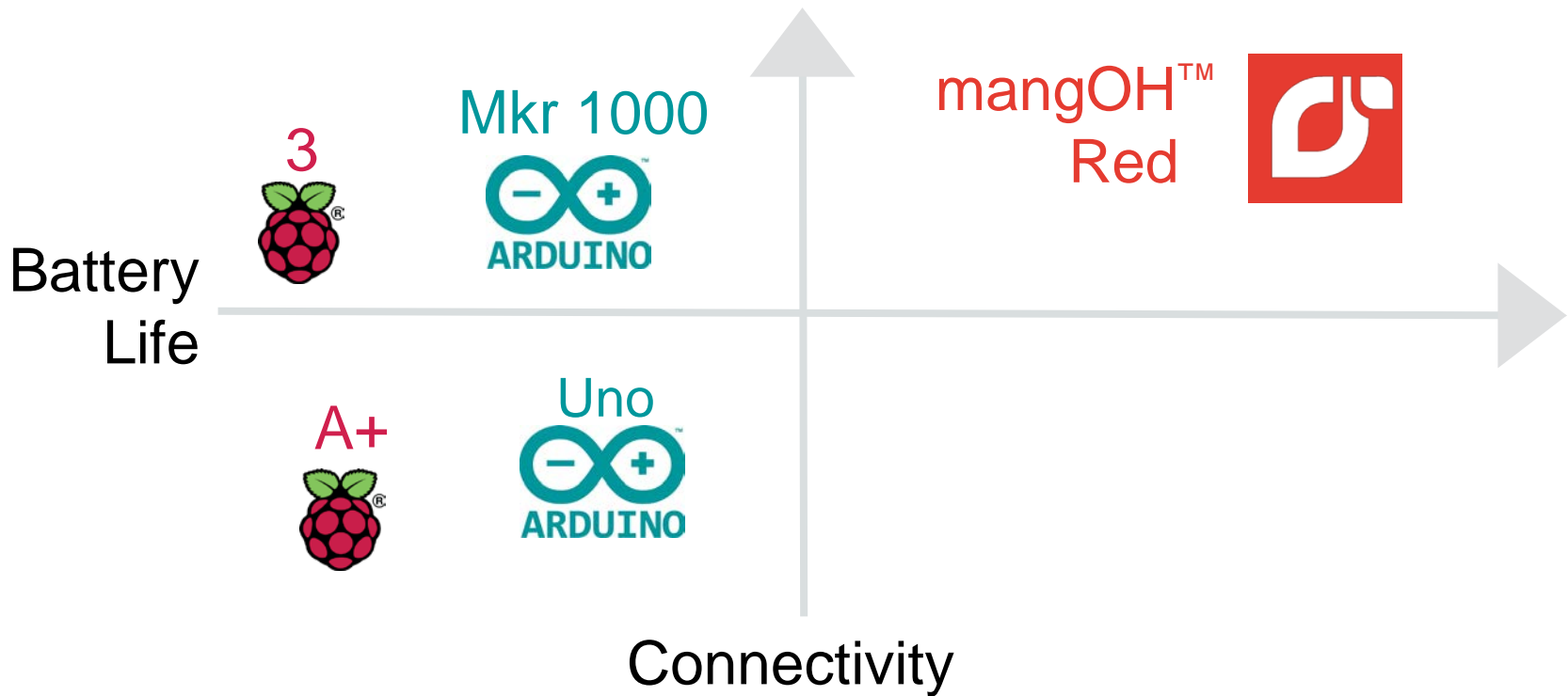
Flexibility



Low-Power



# A revolution is needed





# Built-in features

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Connectivity

CF3™  
Socket



SIM  
on board



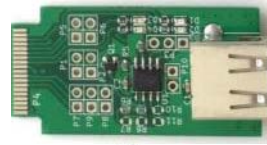
WiFi  
Bluetooth





# Built-in features

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IoT Expansion  
Card Connector

Grove



Seeed Studio  
Connectors



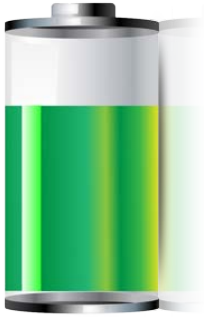
Cortex-M4  
RTOS





# Built-in features

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Low-Power





# mangOH™ Red

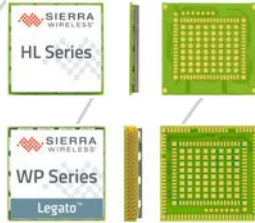


Cortex-M4  
RTOS



Battery  
Connector

CF3™  
Socket



SIM  
on board



WiFi  
Bluetooth



Audio Jack  
and USB



Seed Studio  
Connectors



IoT Expansion  
Card Connector



# WP Series on mangOH™ Red



IoT Expansion  
Cards



Seeed  
Studio  
Connectors

WiFi / Bluetooth



built-in



# HL Series on mangOH™ Red

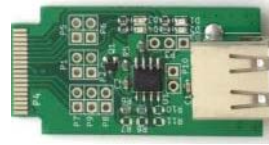


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...

WiFi / Bluetooth



IoT Expansion  
Cards

...



Seeed  
Studio  
Connectors



# Enabling new IoT applications



Connectivity



Flexibility



Low-Power



Wearables



Drones



Robotics





Sierra Wireless  
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2016

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