

Software

# **BUILDING A PROOF OF CONCEPT (POC) FOR AN IOT SOLUTION**

# PRE-REQUISITES

Before you set out on creating a Proof of Concept for your IoT solution, make sure you:



Define the Problem



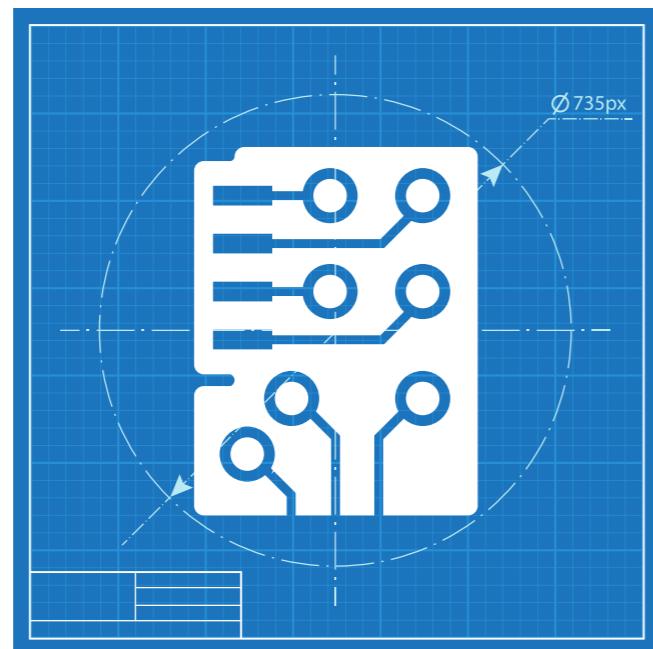
Identify & design your solution

Now let's understand how you can build a Proof of Concept.

# PROOF OF CONCEPT (PoC)

Proof of Concept vs Prototype:

PoC



A blueprint that demonstrates  
the viability of an idea

Prototype

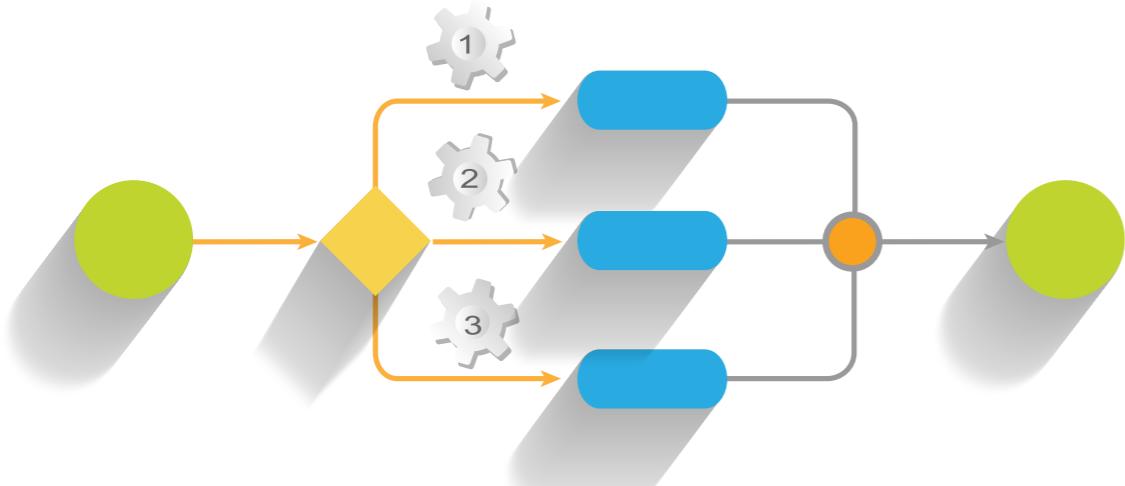


An actual mock-up of  
the marketable product

Hence, the PoC is a vital cog in the creation of a product.

# ADVANTAGES OF A POC

So why is a Proof of Concept so important?



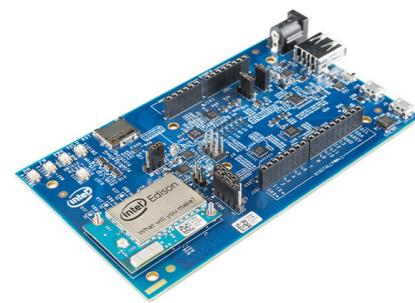
Demonstrates the necessary steps for creating a marketable product



Provides great help during the design phase

# GOALS OF A POC

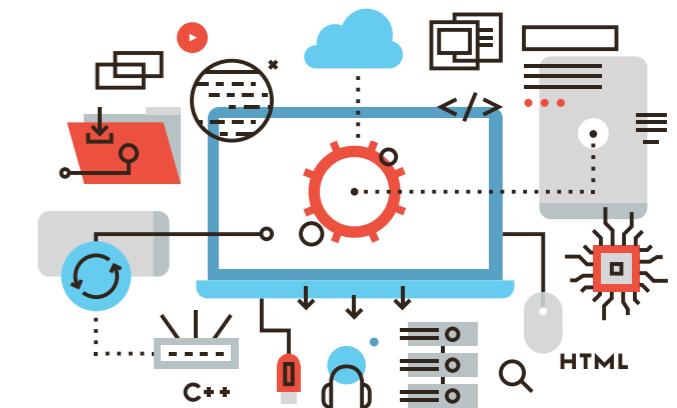
The PoC can be broken down into three distinct parts:



Hardware



Software

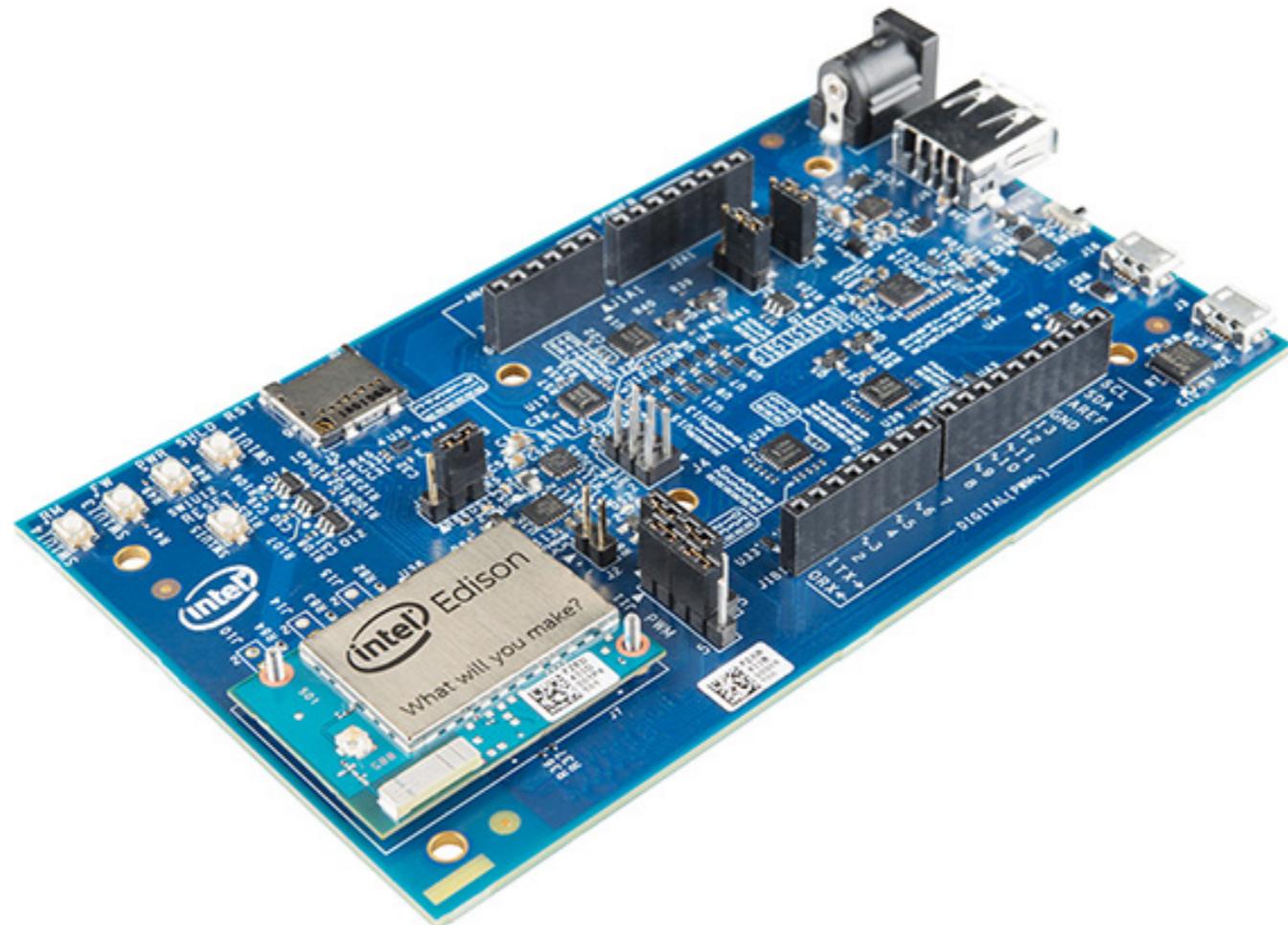


Connectivity

It's important for these three components to work with each other to solve the problem at hand.

# HARDWARE

A PoC is not about creating a polished product. So the goal here is to demonstrate functionality, not beauty.



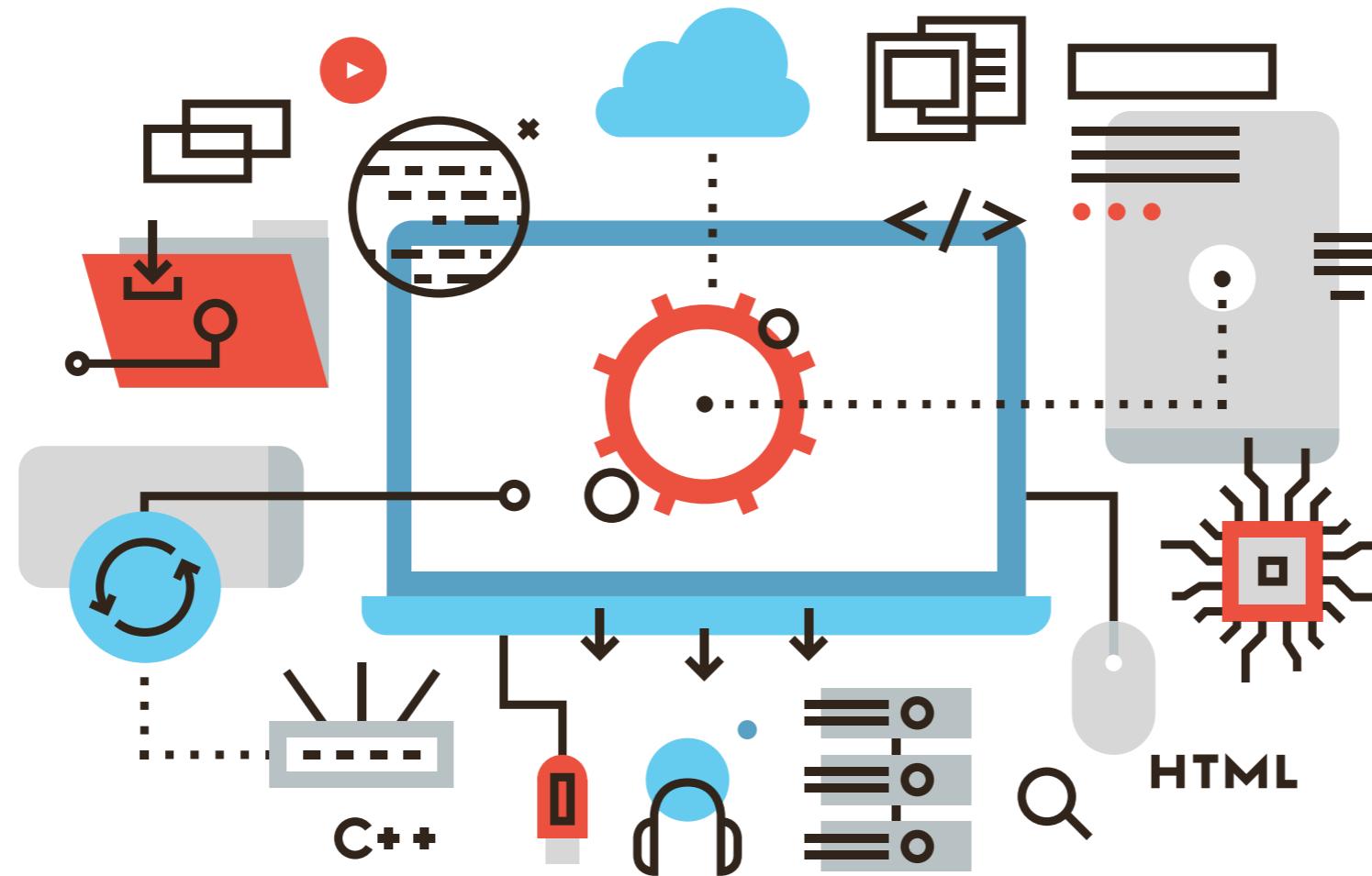
# SOFTWARE

Demonstrate functionality of the sensors and capture accurate data.



# CONNECTIVITY

This is where it all comes together. Hardware, software, and connectivity form the spine of every successful product/solution at the PoC level.



# TESTING PHASE

A number of factors have to be considered, and parameters have to be set to ensure the product gives the desired results, repeatedly.



A PoC should deliver a good data stream over time, with no errors, corruption, or data loss.

# RESULT

The key is to achieve an assembled device with functional software, that connects and transmits data, and delivers quantifiable results.

