

# Blockchain

Building Smart Machines

# STORY A

IoT

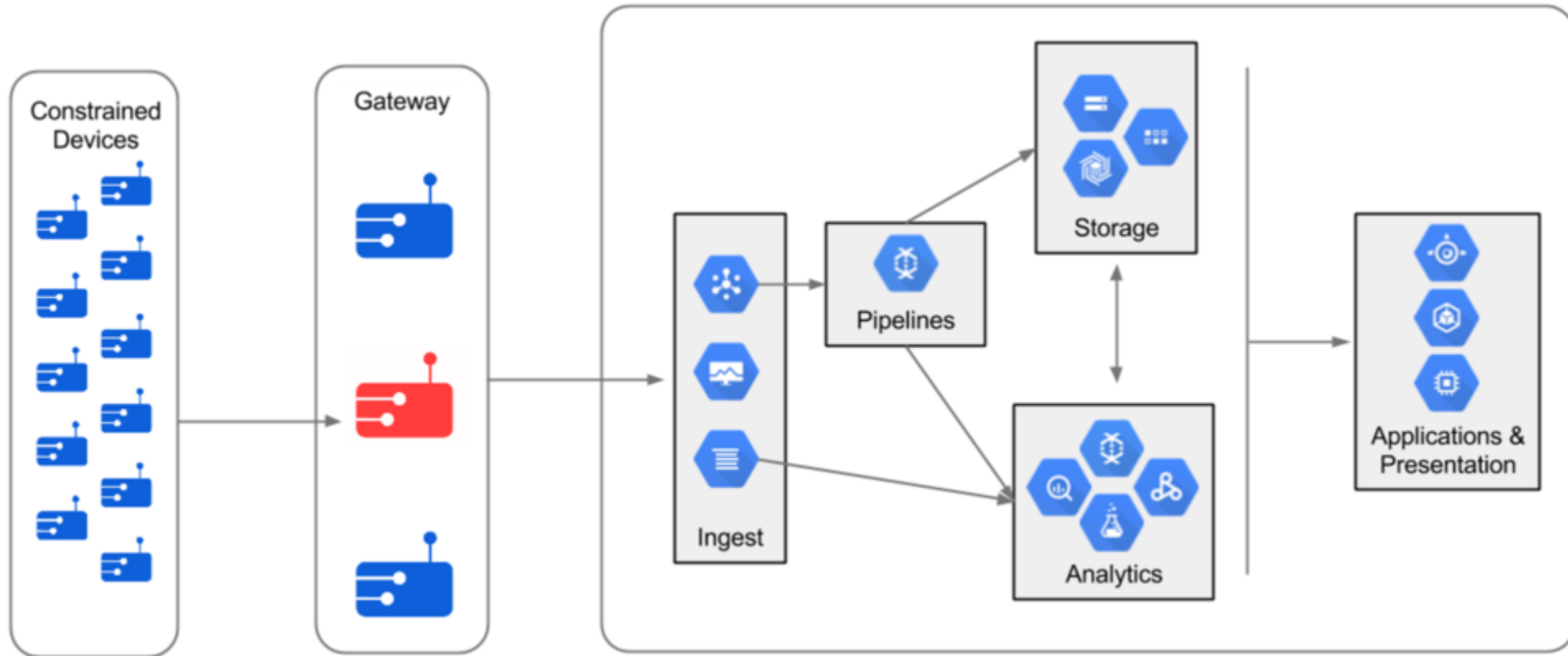
# STORY B

Blockchain

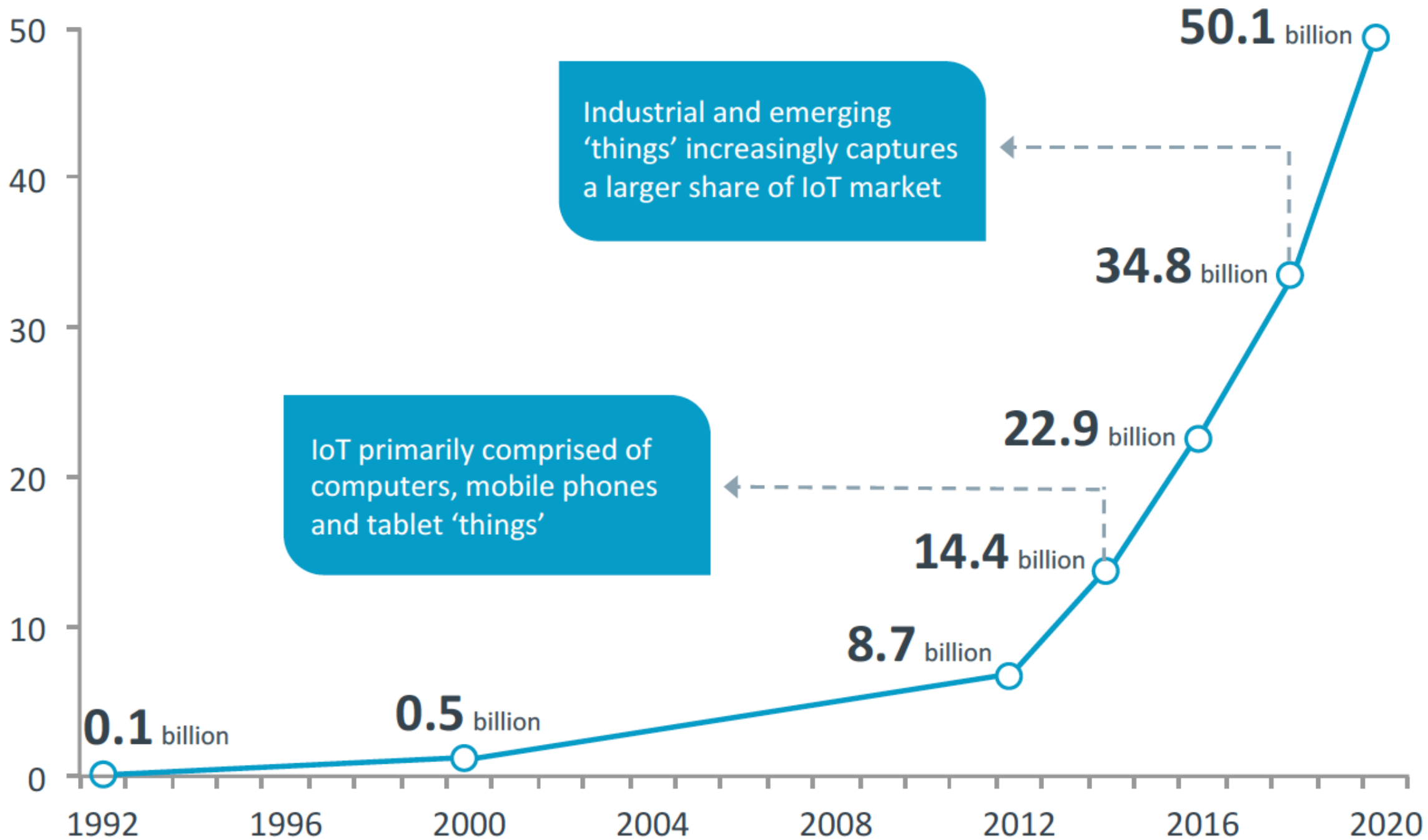
# The IoT Architecture

Things  
Gateways  
Network Infrastructure  
Cloud Infrastructure

# How it is now.



Things Connected to the Internet



# Security Challenges

Design

Privacy

Standardization

21 – 8 - 2016

DDos (Distributed Denial of Service)  
Attack

# Aftermath

DNS Lookup Requests

Mirai Malware

Botnet of IoT Devices



# How and What

DNS Lookup Requests

Mirai Malware

Botnet of IoT Devices

# Alternatives

Peer-to-peer messaging

Distributed file sharing

Autonomous device coordination

Voila!

The Hyperledger

# Why Choose it?

Practical Byzantine Fault Tolerance (PBFT)  
protocols

Assign Identity to transactors

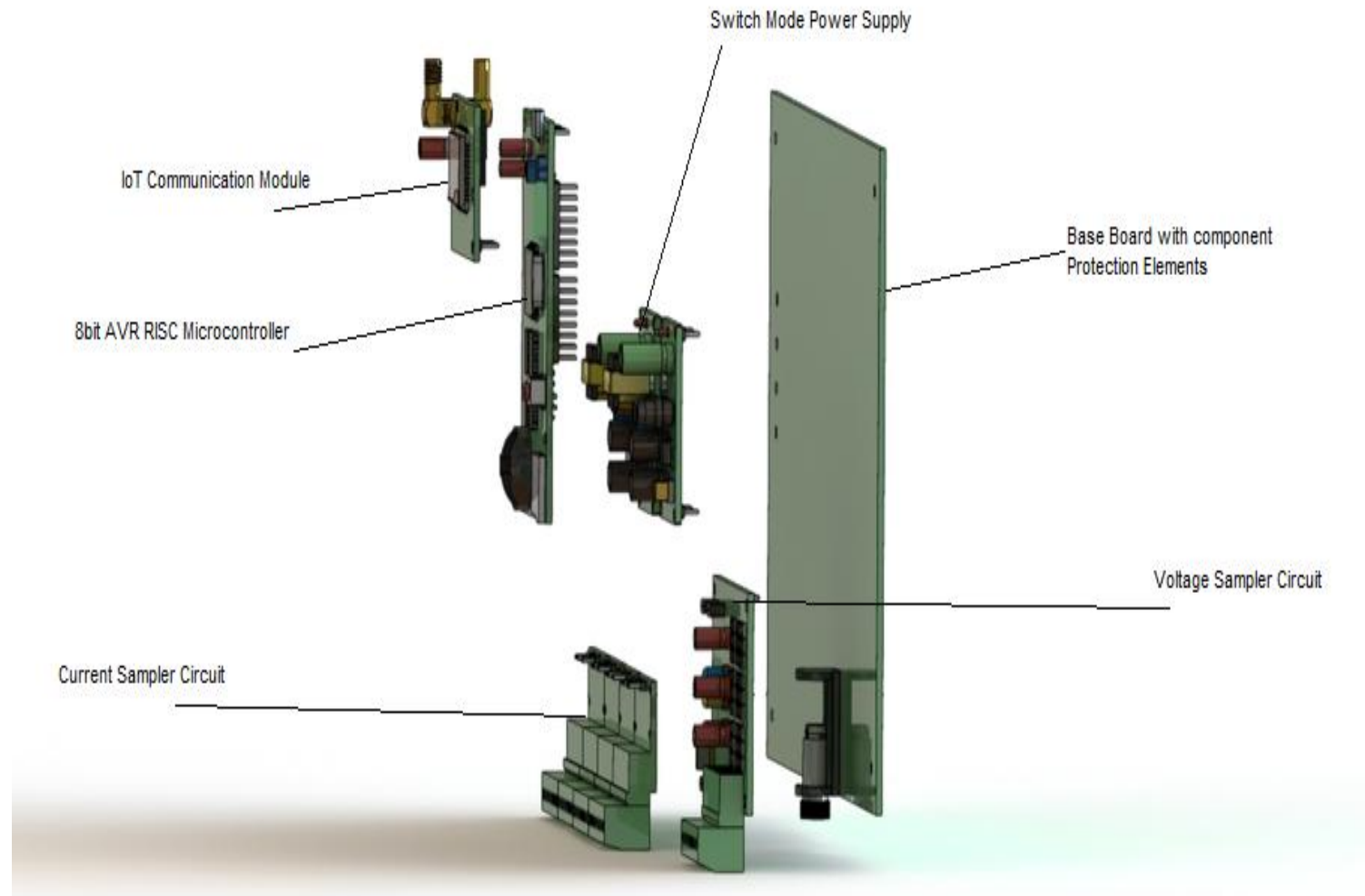
Power-Consumption & Validation time

What can it do in IoT

Supply Chain Management – Manufacturing &  
Logistics

Anomaly Detection and Signature Patterns

# What we did



# Anomaly Detection and Large Data



Thanks