



# TMA Innovation Center



# Innovation as a Service

**Develop your  
next generation products**

**Increase your competitive advantage  
by leveraging latest technologies**

**250** AI, IoT, Big Data, Analytics, Blockchain engineers

IoT

BIG DATA &  
ANALYTICS

AI/ML

Blockchain

# Big Data & Data Analytic – Services



Data warehouse and data mining design and implementation



Collect and analyze data in real-time

Data integration and aggregation



Data visualization



Standard and custom reports



Data analytics and forecasting



Analyzing high volume structured and unstructured data



Data migration

# Big Data & Data Analytics – Skill Set

Data-mining: Classification/Regression,  
Clustering, Association, Sequence Analysis



Cognos, Jasper, Qlikview, SSRS,  
Pentaho BI, Hive, Power View,  
Datazen



Python  
R language  
SAS  
AMOS  
Eviews

R

Predictive analytics Time  
Series analysis Sequence  
analysis



Hadoop, Spark, PySpark, Map  
Reduce, Pentaho, MS BI  
Platform, Cassandra, Tableau



# AI & Machine Learning – Skill Set

Machine Learning  
Deep learning: TensorFlow, Keras  
Descriptive Statistics

Computer vision  
Pattern recognition

## Supervised Learning

- Linear Regression
- Neural Networks
- Support Vector Machines

## Unsupervised Learning

- K-Means Clustering
- Anomaly Detection
- Principal component analysis (PCA)
- Latent Dirichlet allocation (LDA)

## MLaaS

- Google Cloud AI
- Microsoft Azure AI
- AWS AI

NLP

Recommendation

# AI & Machine Learning – Solutions

## RPA (Robotic Process Automation)

Object detection

Document parser

Software testing optimization

Chat bot

Phone spam prevention

Audio analytics

## Cyber Security

Email phishing

## Smart Education

Smart learning



# Blockchain

*Apply Blockchain as an enterprise architecture*

Hyperledger (Fabric, Indy)

Ethereum

Smart Contract

DApp

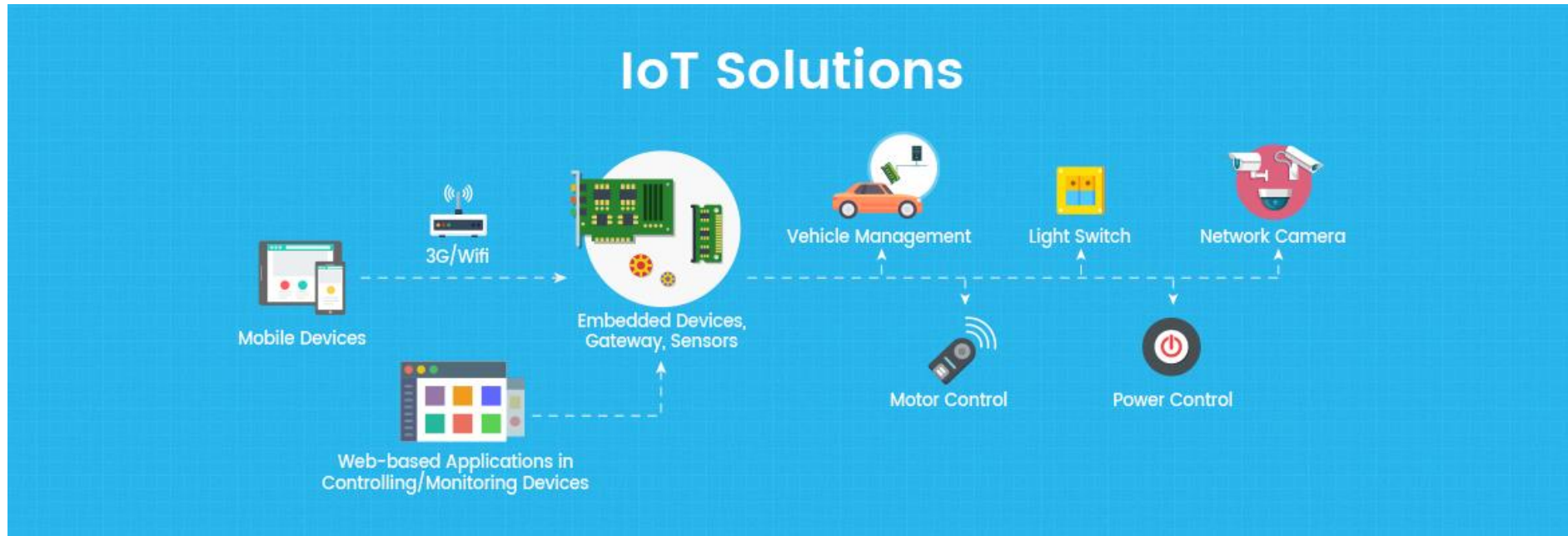
Solidity

Golang

Applications in many industries:

- Supply chain for product integrity
- Identity (people, devices)
- Healthcare
- Finance

# IoT



- Smart devices
- IoT devices testing
- Asset tracking
- Vehicle tracking
- Smart agriculture
- Smart home

- LoRa
- SimpliCI
- MQTT
- 6LowPan
- Zigbee
- BLE
- Beacon
- RFID
- GSM
- 3G – 4G/LTE





# Thank you!

Vietnam: +84-2839-951-059  
North America: +1 844 224 4188

Australia: +61 414 734 277  
Japan: +81 364 324 994

Email: [innovation@tmasolutions.com](mailto:innovation@tmasolutions.com)  
Website: <http://tma-innovation.center>