

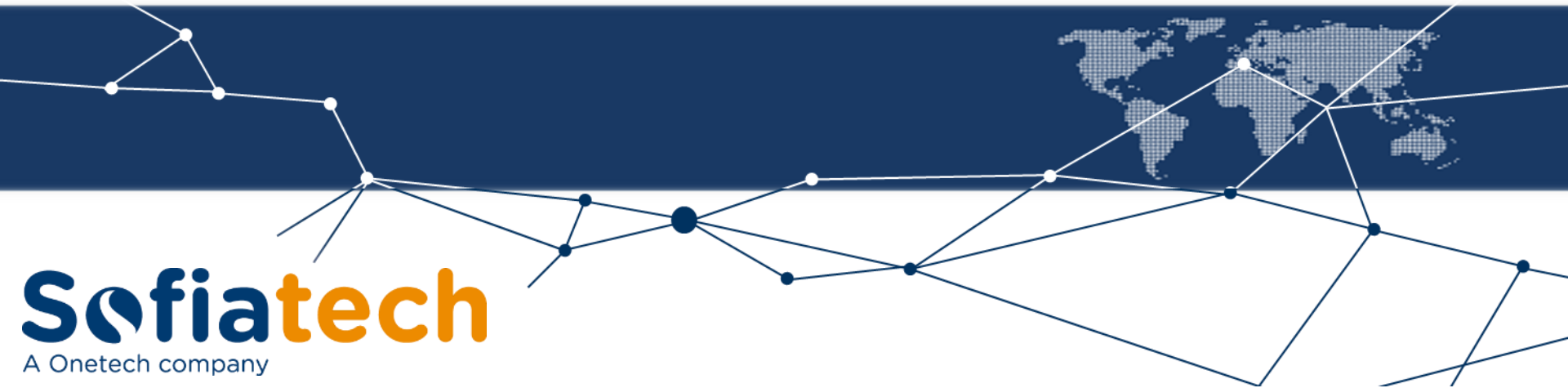


# SOFIA TECHNOLOGIES



## Corporate presentation

February 2020



**Sofiatech**  
A Onetech company

## “Building Industrial Excellence”

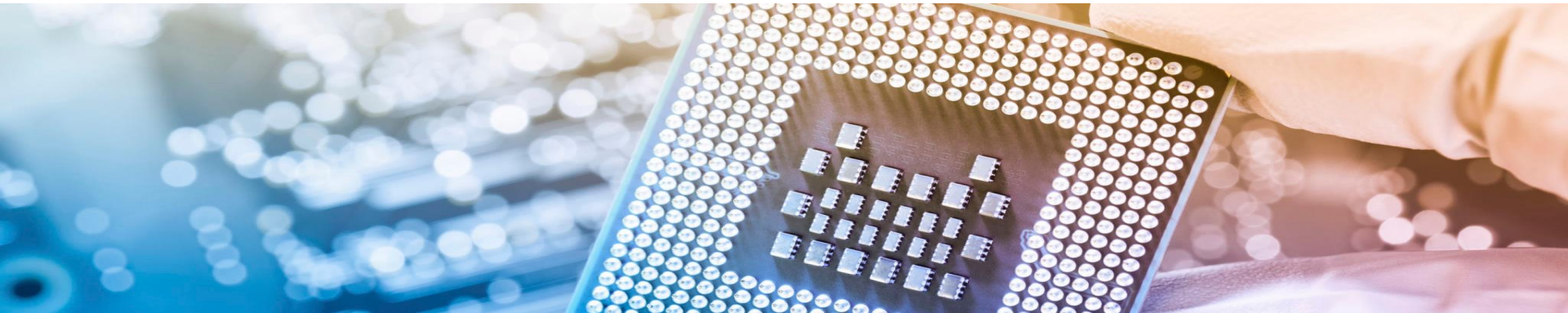
**SOFIA TECHNOLOGIES** is an engineering and IT services company that belongs to **OneTech** Group. It is specialized in electronics, embedded software, cloud solutions and Internet of things. **SOFIA TECHNOLOGIES** provides support on the entire HW & SW development process to deliver custom and turnkey solutions that fit partner's need.

**OneTech** is a private industrial group operating in local and international markets.

The group is operating in the Automotive, Energy, and Industry sectors. **OneTech** industrial excellence built through years in its activities in the cable industry, mechatronics and ICT leads to its international distinguishing

The group is quoted on Tunisia stock exchange market

# 40 Years of Industry & Partnership



**OneTech, global partner in Engineering & manufacturing services**

With **7** production sites in Tunisia & Morocco and **2** engineering offices in Tunisia and in France, **OneTech** would be at your doorstep for your R&D and mass production projects.

**5,000+**  
EMPLOYEES

**245 M€**  
2018 Revenue

**50+**  
COUNTRIES

**OneTech**

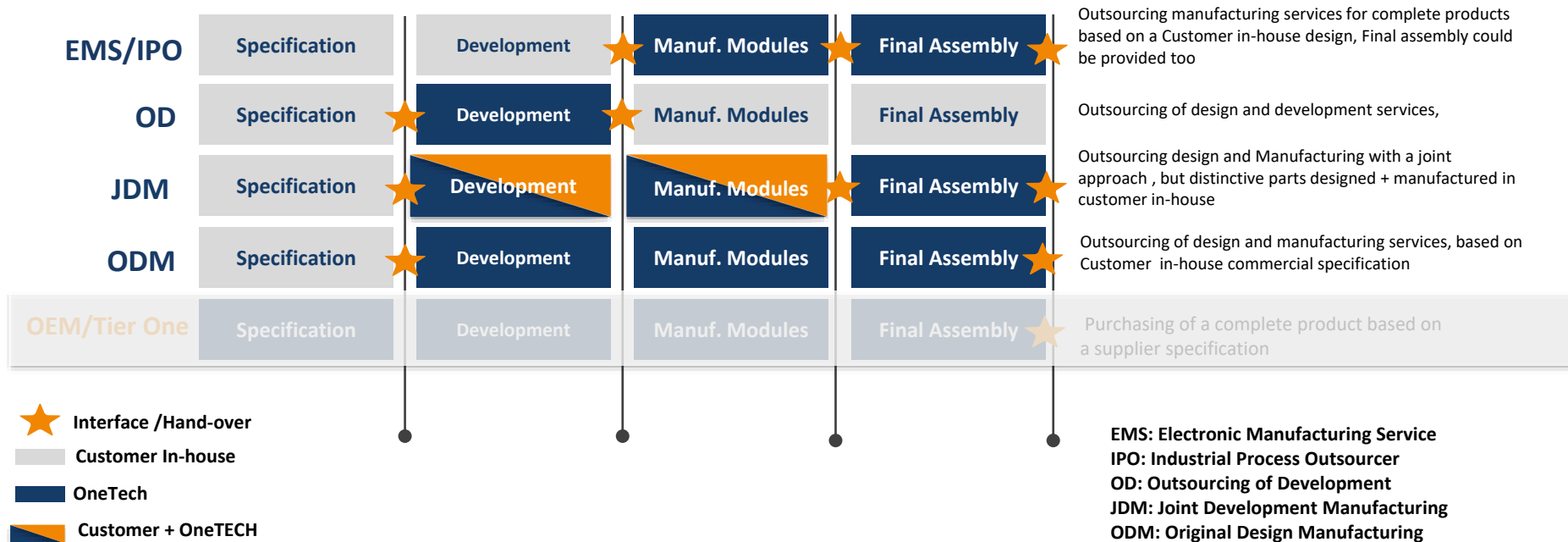


# 01 :

## Our Offer

# OneTech : a full-fledged Outsourcer

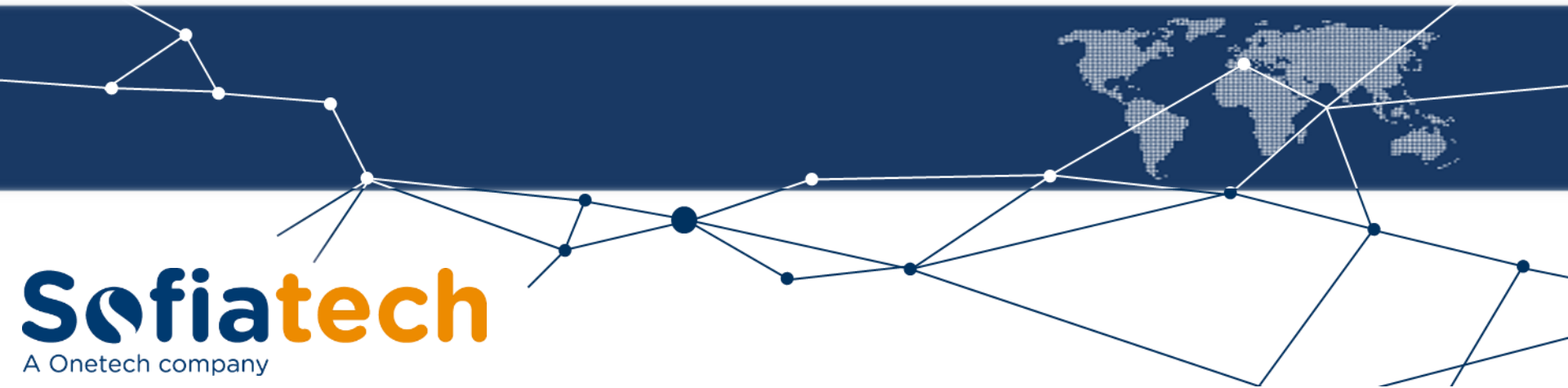
OneTech Mechatronic division, offers a complete range of products and solutions, from component, to modules manufacturing providing all services as a full fledge outsourcer.



(\*) The contractual agreement includes a clause of confidentiality. Intellectual property and all technical documents belong obviously to the client.



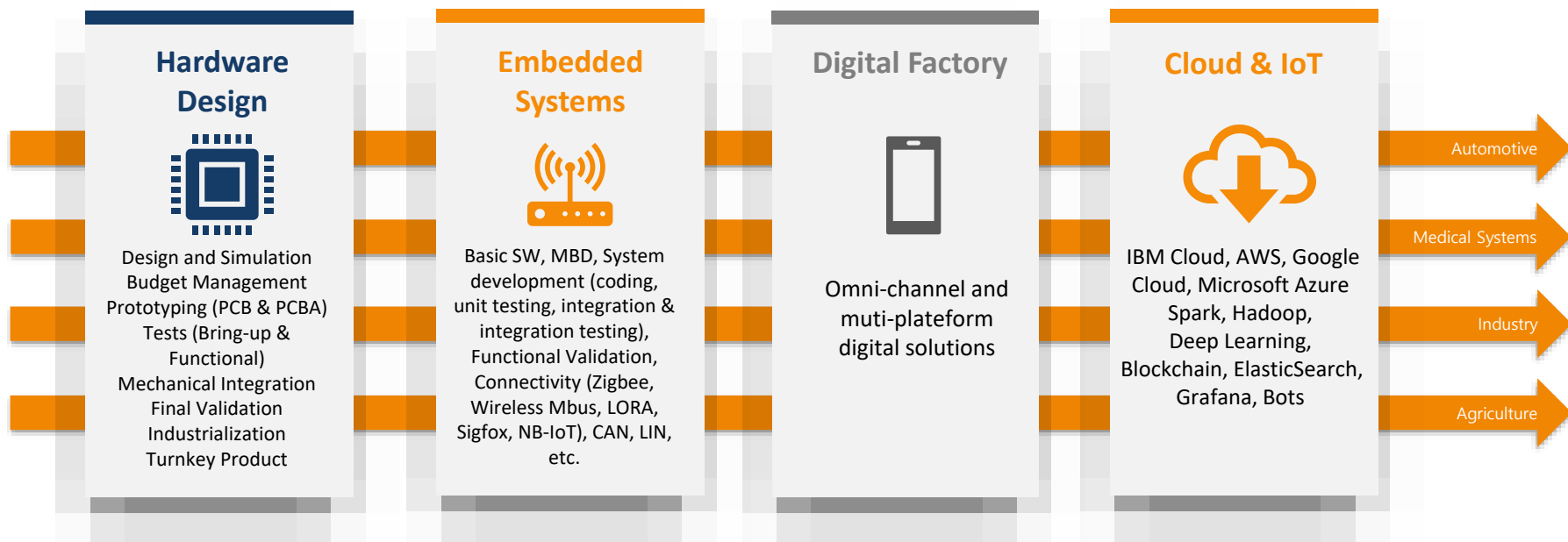
# SOFIA TECHNOLOGIES



**Sofiatech**  
A Onetech company

## SOFIA Technologies provides End-to-End services

Our teams could be involved in projects with hardware and embedded software development. Our teams have a particular expertise in connectivity especially in communication protocols used in IoT. Specific application software could be assigned to HMI/Mobile or Cloud & IoT teams to complete customer need providing thereby and End-to-End solution.







# 02 :

## Capabilities

From Hardware to Cloud



# Electronic Development Services



## Design Hardware & Fast Prototyping

From hardware design to industrialization phase, our teams can manage all steps to handle product-based projects. Different qualification tests (EMC, Radio, Safety, etc) are performed to ensure conformity with international standards.



### Mission

- Design & Simulation
- Prototyping (PCB & PCBA)
- Tests (Bring-up & Functional) & Final Validation
- Industrialization

### Expertise

- **Tools** : Altium Designer / Nexus / Concord, SIMETRIX, SATURN PCB
- **Connectivity** : LoRa, Sigfox, Z-wave, W-Mbus, BLE, ZigBee, 3G, 4G, NB-IoT, GPS
- **Electronic system design & development:**
  - Micro-processors / microcontrollers system
  - Digital & Analog Electronic
  - EMC Design & Test
  - Printed Circuit Board



# Embedded Systems

## Smart Modules for custom solutions

Our teams have experience in developing connected systems for intelligent solutions. Our teams are involved in earlier phases of the project (Requirement Analysis & Design) to final qualification tests (Functional validation).

### Mission

- Analysis, Design, Development of embedded software
- Integration & Validation tests.

### Expertise & Methodology

- Basic software and application layers
- Architecture : AUTOSAR, OSEK-VDX
- Communication & Network : CAN, LIN, ETHERNET and FLEX
- Connectivity : USB, CPL, LVDS, HDMI - Wireless: NFC (NXP, STM, AMS),  
RFiD, SigFox, LoRa, N-BIoT, WiFi, BT, BLE, ZigBee, GSM, 3G, 4G, GPS.
- Microcontrollers : FREESCALE, ATMEL, NXP, ST (STM32), Fujitsu, Infineon
- Tools & environnement : CANalyzer, IAR, Matlab/Simulink, Doors



# Full Stack Development

## Web, Mobile Apps & Industrial HMI

Our teams are involved in the development of HMI performed on common platforms (Android / iOS) or on specific industrial platforms (Linux / Genivi / Android Auto etc.)



## Mission

- Analysis, Design, Development of Mobile & Web / Enterprise applications
- Platform migration / Redesign
- Industrialization, configuration & Optimization
- Integration & Validation tests.

## Expertise

- Android Auto (HMI, Appli, Basic SW), SDK AUTOLINQ, Android Studio
- Mobile (Native & Hybrid): Android, iOS, React Native, Ionic
- JAVA/JEE, PHP/Symfony, CMS, Microsoft.Net, Python/Odoo
- FullStack JS: NodeJs, ExpressJs, Angular, ReactJs

# Cloud & IOT

## Cloud services / Enterprise Application

Our teams have experience in implementing cloud-based solutions integrating IoT communications, and data analysis.

### Mission

- Set up of Cloud services on commonly used PaaS (IBM Cloud, AWS, Google Cloud, Microsoft Azure)
- Development of Enterprise Application (B2B & B2C) in various fields (IoT, Automotive etc.)

### Expertise & Methodology

- Cloud configuration & development on innovative environments :  $\mu$ Services Architecture, Cyber-Security (Blockchain, HSM, Pentests etc.)
- Artificial Intelligence (Machine learning, Deep learning, Bots)
- BigData architecture (Spark, Hadoop, ElasticSearch).
- Data Analysis Dashboard (Grafana, Kibana).
- Virtual Assistant development using NLP (Natural Language Processing)





# Contact

---

20 Rue des Entrepreneurs – Immeuble Hertz, 2035  
Charguia 2 – Ariana - Tunisie  
(+216) 71 940 606  
[contact@sofia-technologies.com](mailto:contact@sofia-technologies.com)  
[www.sofia-technologies.com](http://www.sofia-technologies.com)

**Sofiatech**  
A Onetech company