

台灣快製能力 x 國際硬體創新

Might Group Milestones



1986

Founded at
Hsinchu,
Taiwan



1996

Set up Chance
Electronic at
Dongguan,
China



2008

Set up Chance
Technology at
Dongguan,
China



2014

Set up 2nd
Might
factory



2016

Set up
Mighty Net,
in NTHU



2017

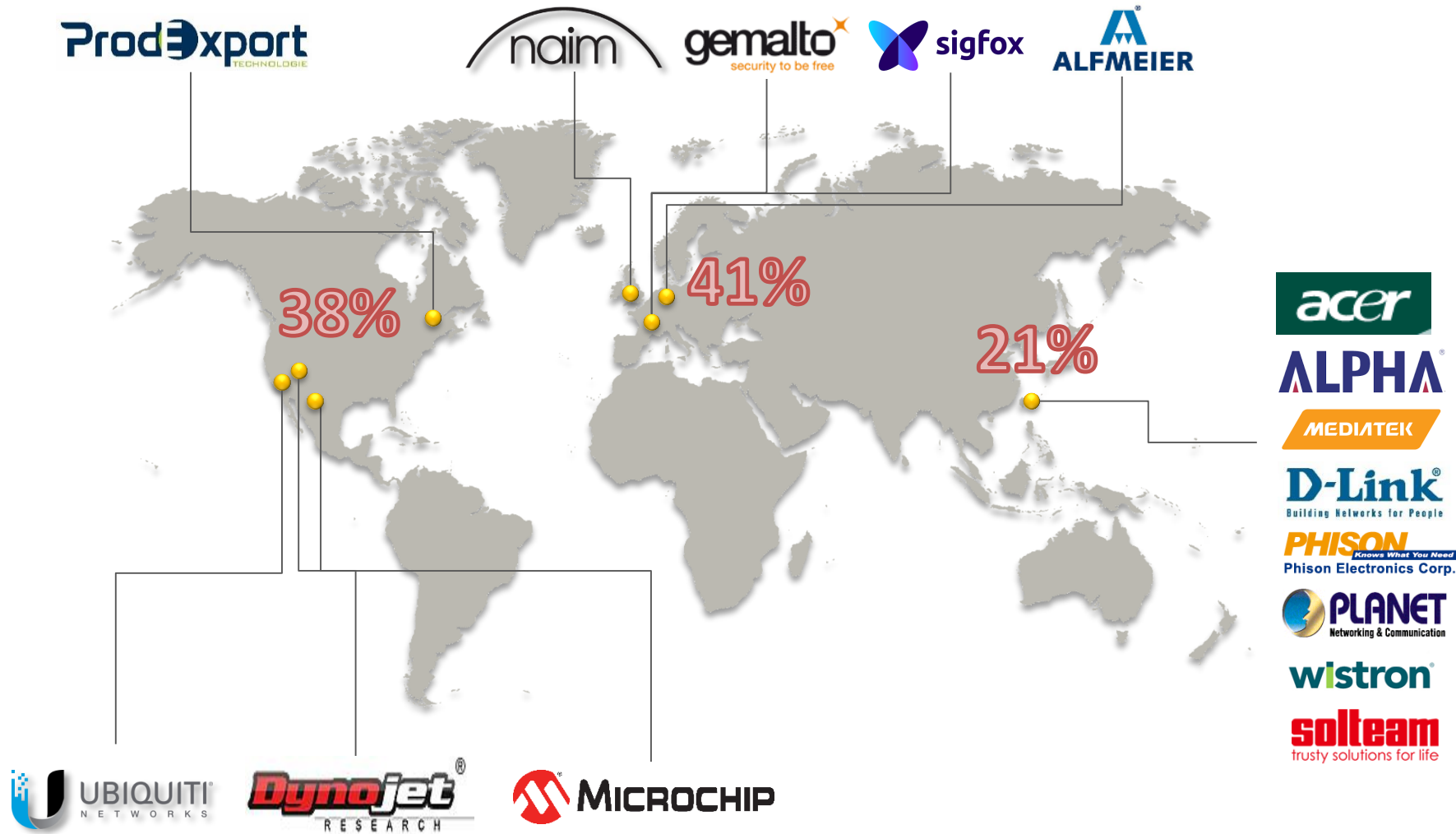
Set up Taipei
Office



2018

Join Startup
Terrace
Program

Customers Worldwide



Ubiquiti since 2005



2005

- Funder Robert Pera left Apple and fund Ubiquiti Networks by \$30,000
- cooperated with Might Group for wireless module

2011

- Ubiquiti Networks IPO at NASDAQ with 3 Billion value
- Top 3 customer of Might Group

2014

- Robert Pera Became Top 10 "Youngest Billionaires in the World"



Robert J. Pera (born March 10, 1978) is the founder of Ubiquiti Networks, Inc. a communications technology company based in Silicon Valley that Pera took public in 2011. In October 2012, Pera also became the owner of the Memphis Grizzlies. At the age of 36, Pera has a spot on Forbes' list of 10 youngest billionaires in the world.



18
HARDWARE
UNICORNS

9%
OF GLOBAL
BLESSING

2/3 FROM
CHINA

WESTERN



view



XIAOMI & 'MINI-MI'



ninebot

huami



smartmi

OTHER CHINESE

mobike

ofo

MEIZU



IPO



ACQUIRED



nest



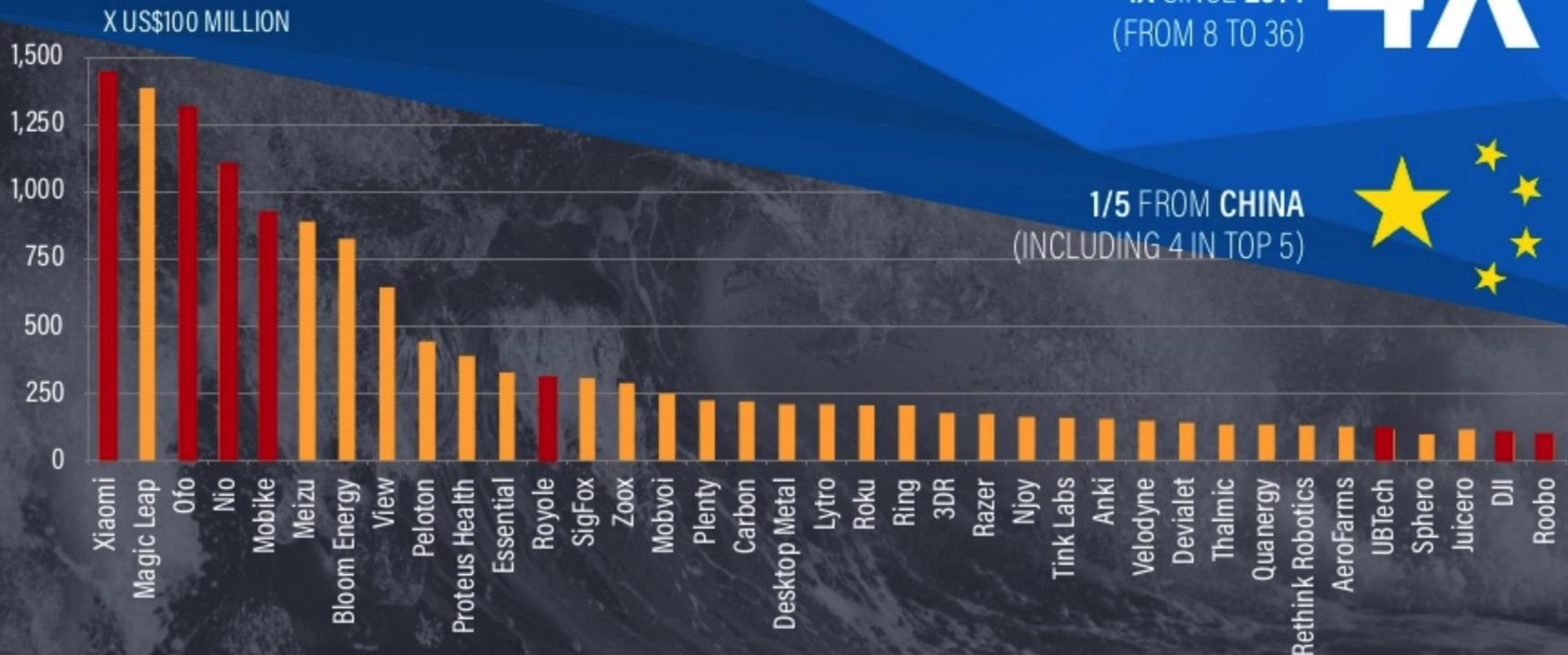
HAX | HARDWARE TRENDS 2017 | PAGE 26

'SECOND WAVE' REACHES SCALE

4X SINCE 2014
(FROM 8 TO 36)

4X

1/5 FROM CHINA
(INCLUDING 4 IN TOP 5)



Source: Crunchbase, media reports

SOFTWARE GIANTS BUILD & BUY HARDWARE

Google

Microsoft

amazon

facebook



UBER

Tencent

Baidu 百度

JD 京东
JD.COM



HAX | HARDWARE TRENDS 2017 | PAGE 27

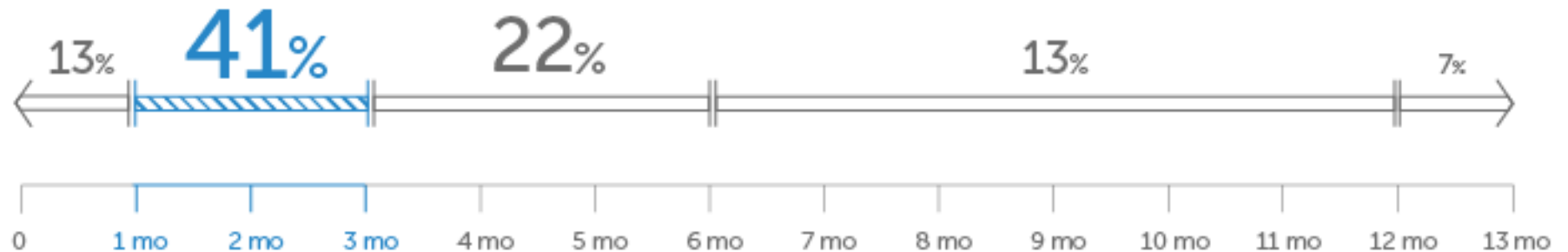
『 You jump off a cliff and you assemble an airplane on the way down 』

Reid Hoffman, Founder of LinkedIn



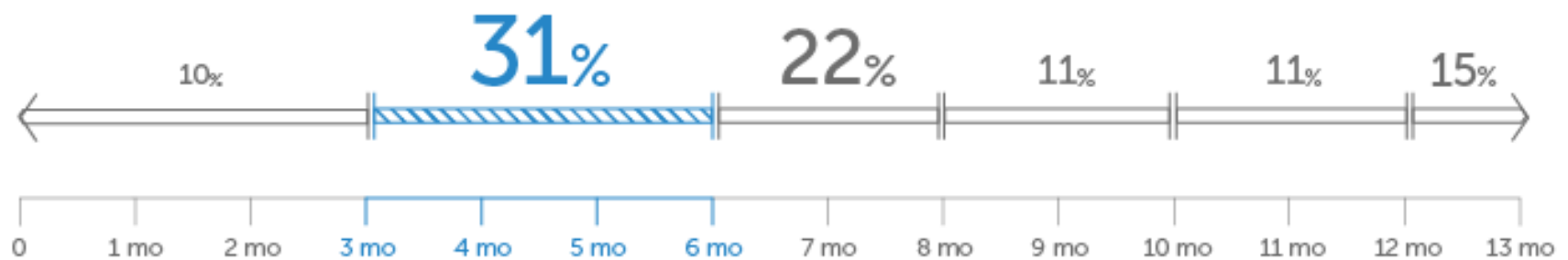
Hardware companies are working to build products faster

Most companies budget 1-3 months to build functional prototypes



personal electronics	medical	accessories	hardware platform
1-3 mos	1-3 mos	1-3 mos	1-3 mos
sports & fitness	home automation	business tools & infrastructure	aerospace
1-6 mos	1-6 mos	4-6 mos	1+ yr

Most companies budget another 3-6 months to go from
functional prototype to production



accessories

1-6 mos

personal electronics

3-6 mos

medical

3-6 mos

sports & fitness

3-6 mos

hardware platform

3 - 8 mos

business tools &
infrastructure

12+ mos

aerospace

6 - 12+ mos

home automation

6 - 12+ mos

HARDWARE SCALING IS MORE LINEAR THAN SOFTWARE

DISTINCT AND TIME-INTENSIVE PHASES

STARTUP AVERAGE
FROM IDEA TO IPO
8 YEARS

R&D

PROTOTYPE

PROTOTYPE

PRODUCTION

ONLINE

OFFLINE

GLOBAL

IPO

YEAR 01

YEAR 02

YEAR 03

YEAR 04

YEAR 05

YEAR 06

YEAR 07

YEAR 08

R&D

PRODUCTIZING

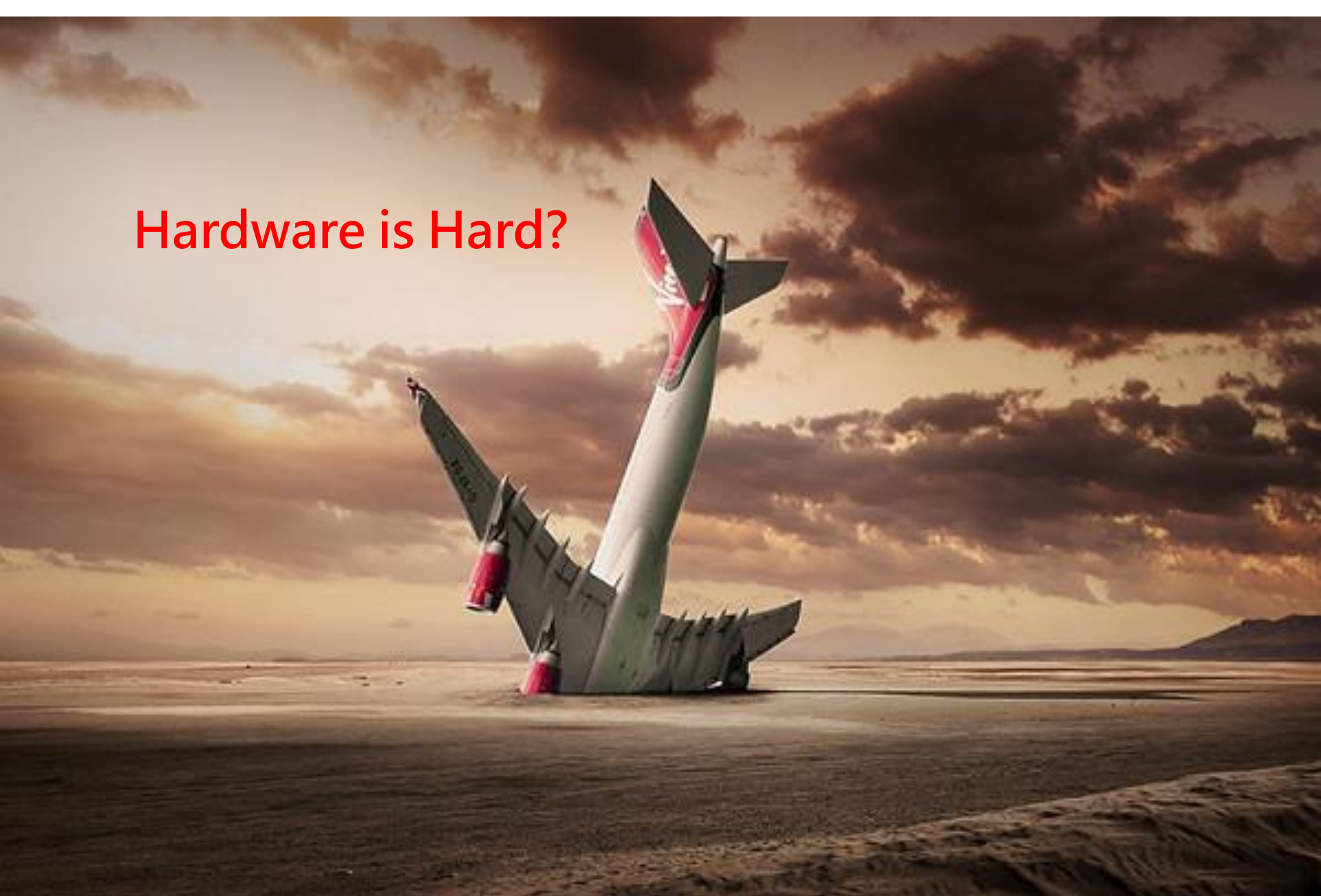
RETAIL

IPO

COULD WE DO IT IN 4 OR LESS
WITH THE RIGHT SUPPORT?

HAX | HARDWARE TRENDS 2017 | PAGE 13

Hardware is Hard?



Manufacturing is Easy for Taiwan



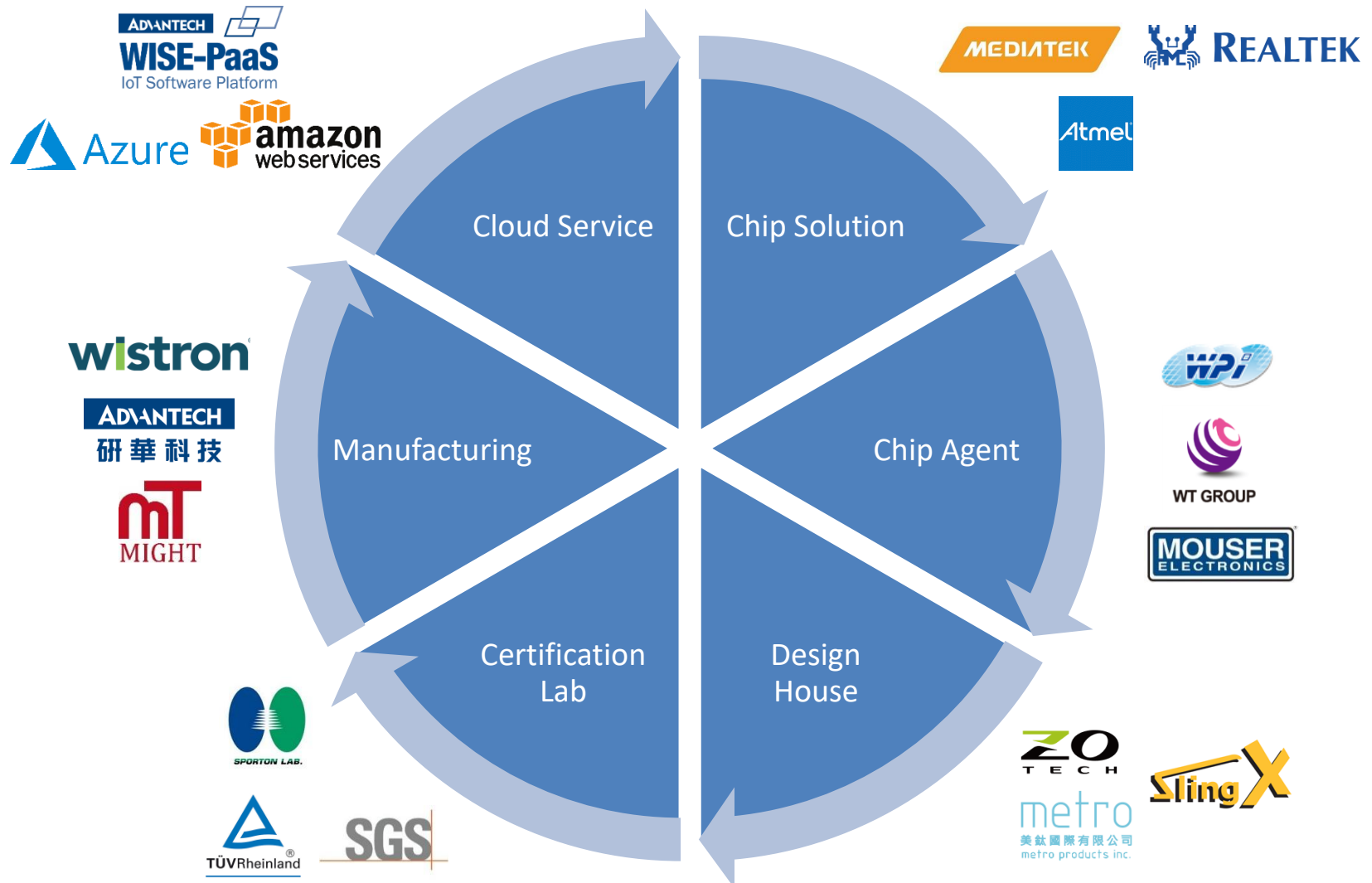
Integration



Scale



Supplier Chain



Software is Solo, Hardware is Symphony



0

CONCEPT

1

PROTOTYPE

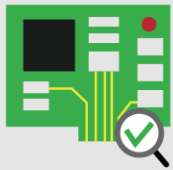
100

PRODUCT

Start-up

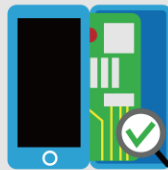
MIGHT One Stop Hardware Innovation Service

EVT



Prototype

DVT



Engineering Sample

ME Tooling
PCB Layout
Certification

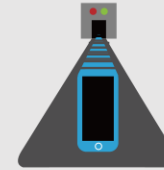
PVT



Pilot Run

Testing Fixture
PCB Fabrication
Reliability Test

MP



Mass Production

Yield Rate
Failure Analysis

Shipping



Marketing strategies

Sales channels
Logistics

Manufacturing

- **SMT Line X 15 (13.3 Million/day)**



DEK Auto Printer
M10-93040



Hi-Speed Mounter
Panasonic NM-EJM8A



Hi-Speed Mounter
Panasonic NM-EJM8A



General Purpose
Panasonic NE-EJM5B



Reflow
HD-NHACRF



AOI Inspection

- **DIP Line X 8 (5 million/day)**



- **Assembly Line X 14**
- **Wireless Testing Room**
- **Press Crimp Automatic Machine**



Cloud
MCS
WISE-PaaS
AWS
Azure

System Integration



Energy
Energy Harvesting
Renewable Energy



Sensor
Accelerometer
Air Quality
GPS



Wireless
BLE
Wi-Fi
LPWAN



Mighty Lab



Taipei Office / FutureWard



Startup Terrace Program



Ecosystem Partners



Accelerator



Co-working Space



Accelerator



Incubator



HW Accelerator



ODM / OEM



Cloud Service



Sensing Community



IOT Operator



Hacks Conference



Maker Platform



Supply Chain Alliance



R&D Institute



Block Chain



Maker E-commerce

Hardware Innovation



- Innovation
- Investment
- Accelerator



Mighty Net



metro
美鈦國際有限公司
metro products inc.

- Development
- Manufacturing
- Supplier Chain



嘖嘖

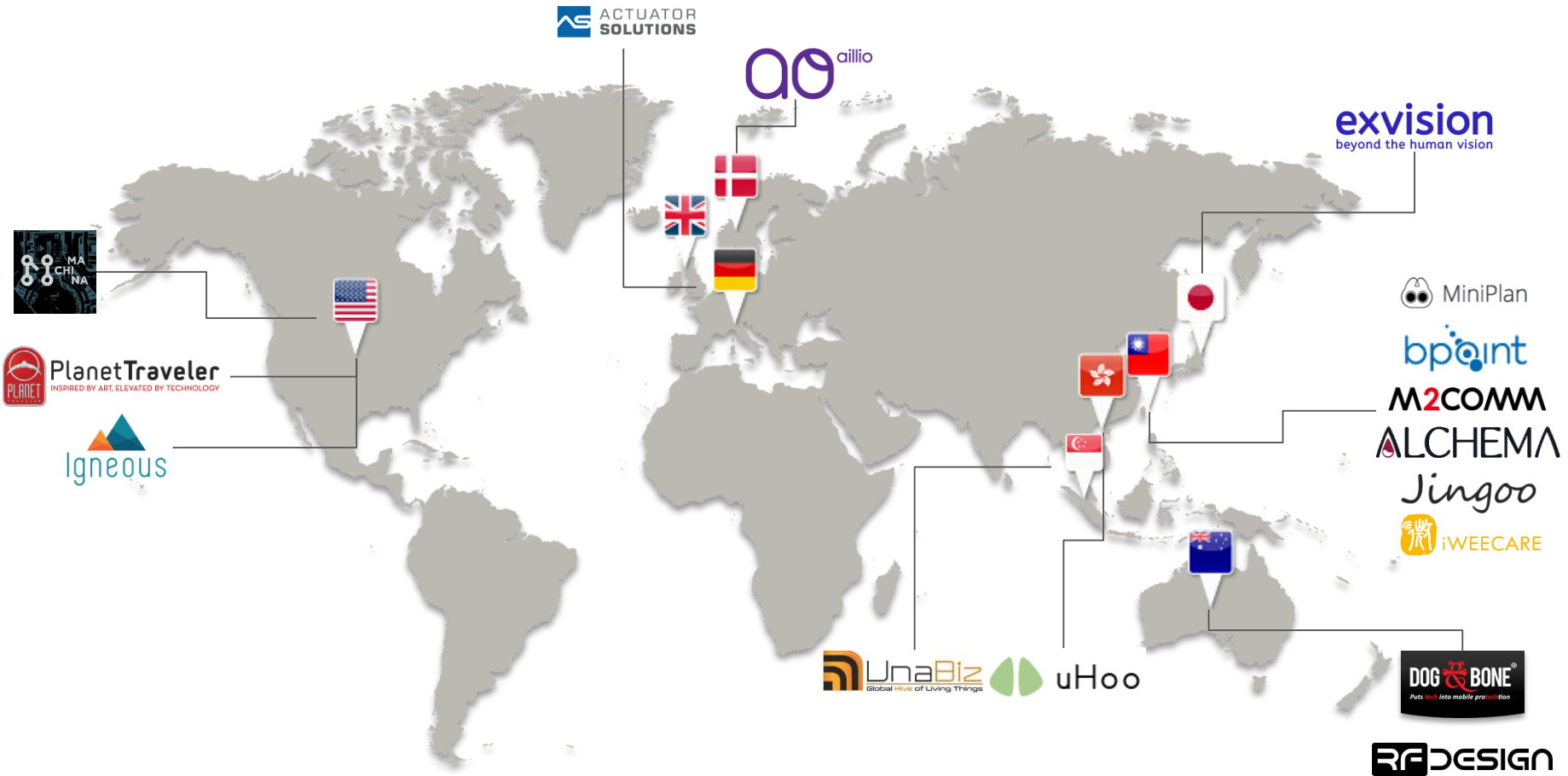


ADVANTECH 
WISE-PaaS
IoT Software Platform

- Sales Channel
- Crowdfunding
- Promotion

Startups Worldwide

Over 50 HW Startups since 2016



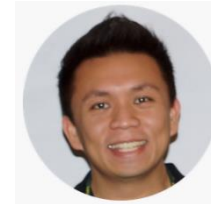
SigFox / UnaBiz



uHoo



metro
美鈺國際有限公司
metro products inc.



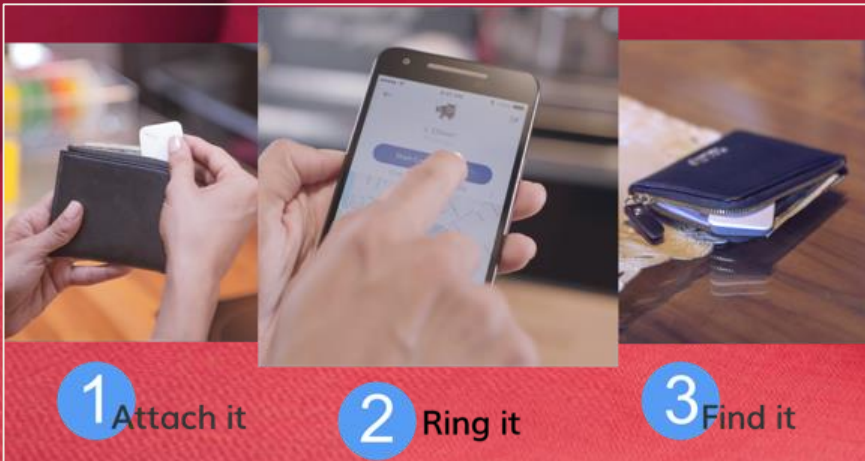
Alert

Receive real-time alerts of pollution levels. uHoo sends specific alerts when the air quality is bad



TRACMO

tracmo



ADAS Tech



MACHINA

BECOME THE CONTROLLER

OBE technology closes the gap between the real world allowing users to control and feel virtual worlds.

////////// OBE FEATURES

REAL WORLD VIEW

 Highway 1
a PCH company



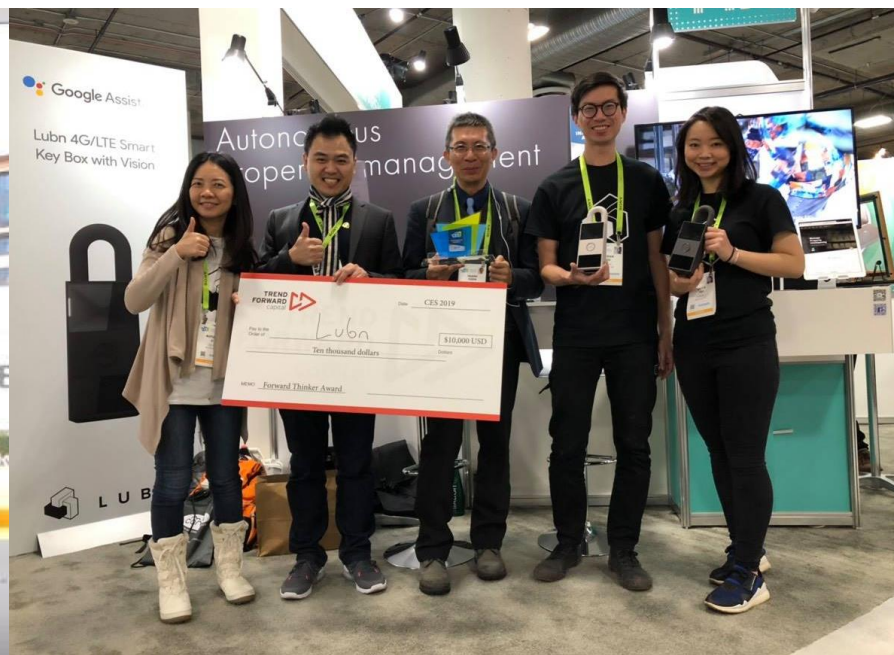
VIRTUAL WORLD VIEW











“Software is eating the world.”

—Marc Andreessen, VC



“Software is eating the world.”

—Marc Andreessen, VC

- 
- A portrait of Marc Andreessen, a bald man with a light complexion, wearing a dark vest over a light-colored, patterned shirt. He is looking slightly to the right of the camera with a neutral expression.
1. 以軟帶硬引導台灣廠商轉型
 2. 中小型的EMS廠扮演關鍵
 3. 鼓勵大型ODM的內部創新
 4. 設計師 x Maker 引領技術創新
 5. 創新聚落 x 聯盟完善生態系



Thank You