

Global leader in advanced material & IT solution

### **COMPANY PROFILE**

**INNOX ADVANCED MATERIALS CO., LTD.** 

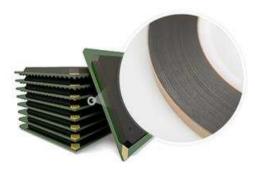
# **1.** Company Overview



Company	INNOX Advanced Materials Co., Ltd	Revenue
CEO	Chang, Kyeong Ho / Kim, Pil Young	
Foundation	November 8, 2001	
Share Outstanding	9,232,420	\$266M USD/2018
Capital Stock	KRW 4.7 billion (3.98million dollar)	<u>Staff</u>
Homepage	www.innoxamc.com	
Main Businesses	Flexible Circuit materials, OLED materials Semiconductor Back-end materials	630Employees (R&D 130)



#### **Main Business**



Semiconductor Materials



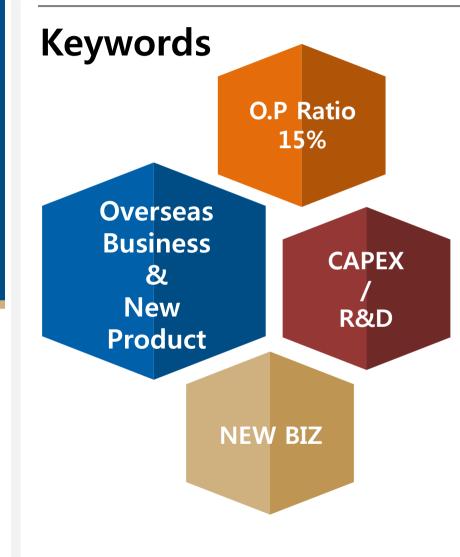
**Circuit Materials** 



Display / OLED Materials

# **2.** Business Plans





#### Promote foreign market entry

- lower dependence on local smart-phone makers
- establish production facility and expansion in China market

#### product quality improvement

- SMARTFLEX : Increasing 2Layer Sales
- INNOSEM : overseas sales of DAF, QFN

#### Growth of INNOLED

- Enter growth phase and further sales increase of Wearable & flexible display materials

#### Finding NEW BIZ

- New business discovery
- High-value materials development
- Taking over Altonsports Co., Ltd.

#### INNOX advanced materials

# 3. Company History

Founded Saehan Micronics Established SEM-1 (Plant 1) Certified as Venture Company - Obtained ISO 9000; 2001 Established R&D center



2006 ~ 08 Opened HK & SC branch Completed SEM-3 Ansung Plant2 Listed on stock exchange Established TMS(ERP)system



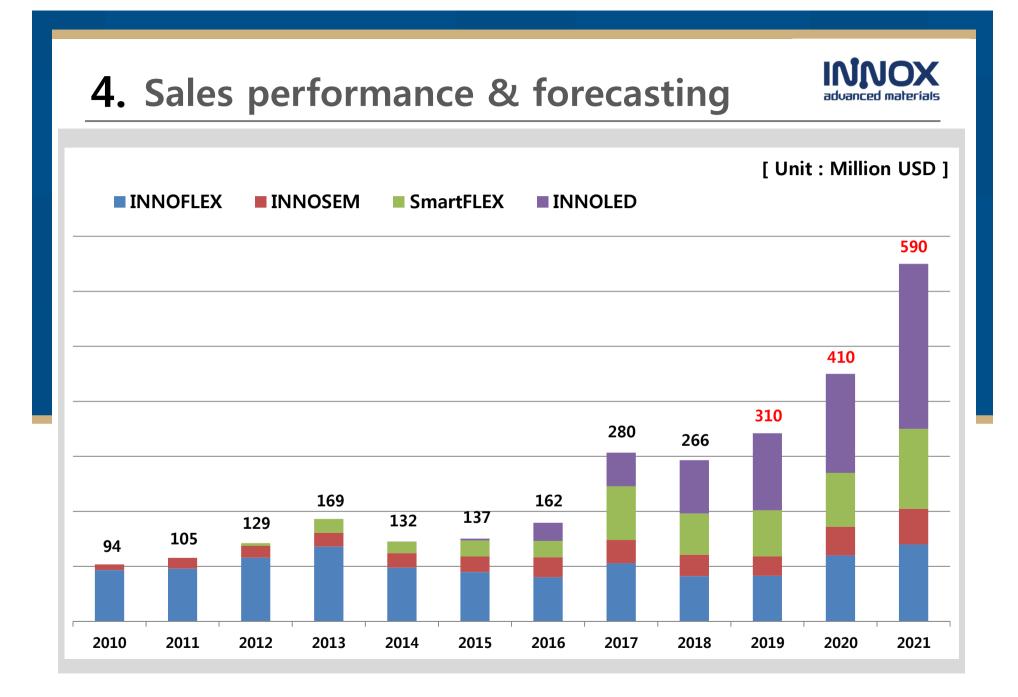
2001 ~ 05

2009 ~ 13 Global no.1 for INNOFLEX FCCL products designated as 'World Best Product' Annual sales exceeded \$100M Established new Asan Plant



2014 ~

2<sup>nd</sup>-phase expansion of Asan plant Total exports of \$70M New business investments Launching INNOLED Take over Altonsports Co., Ltd.



# 5. Vision & INNOX DNA



## **Global Leader in Advanced Materials & IT Solution**



Achieved 1 trillion sales in 2020

A challenging young enterprise

PASSION



BALANCE

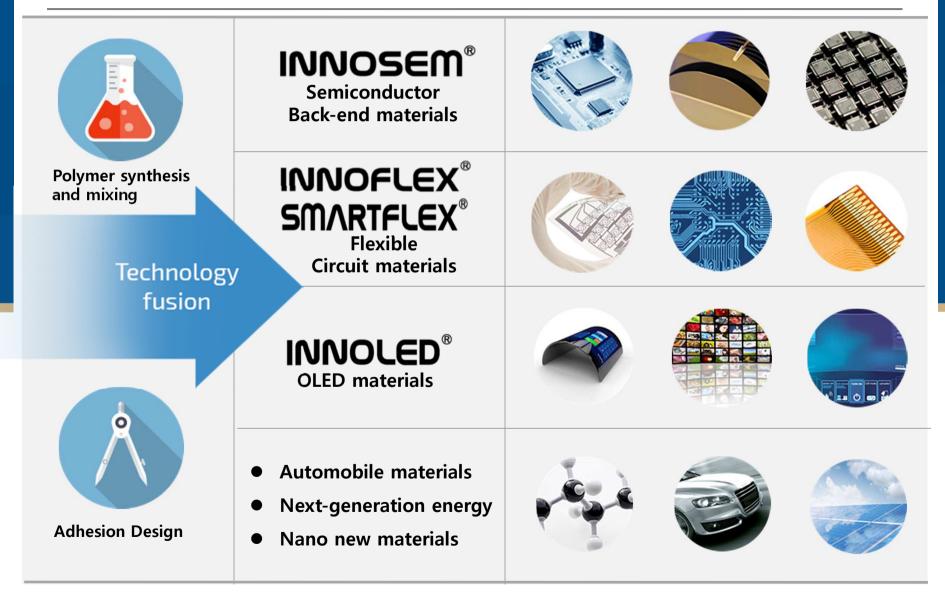
World Class IT-Material Company Companies Grow With Employees

A great company, Pleasant work environment, Efficient workplace



## 6. Business Portfolio



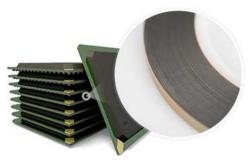


# 7. Semiconductor materials



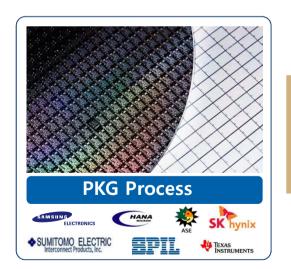
## INNOSEM®

- Used in semiconductor PKG : produce materials used between semiconductor chips and circuit boards (adhesion/insulation/fastening)
- The only domestic player with overall semiconductor packaging materials technology : Have been able to substitute Japanese products, which were forming a monopolistic market
- High value-added products requiring long-term R&D : Establishing strong entry barrier



#### Supply Chain







## 8. Flexible Circuit materials



## INNOFLEX®

Core components of FPCBs include raw materials for PCBs and interlayer adhesive sheets

- Main applications : mobile phone, smart pad, PC, HDD, pick-ups, automobiles

## SMARTFLEX®

Essential material for hi-tech electronics, benefitting from smart & mobile device development

- Main applications : tablet PC, high-end smart phone, etc.

#### Supply Chain









# 9. OLED materials



## **INNOLED**<sup>®</sup>

- New growth potential : Display materials (OLED, Flexible Display, Transparent Display...)
- To produce substrate materials and supplementary materials to ensure display quality
- On-going R&D since 2010 and co-development underway.



#### **Supply Chain**







## **10.** Manufacturing Process



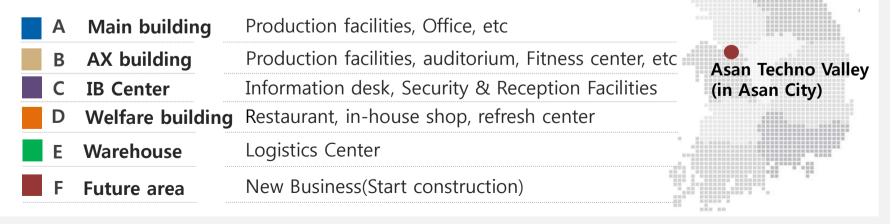


## **11**. Master plan of Asan plant





#### Lay-out





## 13. Pan-gyo Site



Location : Pan-gyo Second Techno Valley Land Area : 2,767 Square yard Building Area: 19,770 Square yard (13<sup>th</sup> Floor) Completion Schedule: Feb. 2022 (Scheduled) Purpose : Holding company, Subsidiary Office, Start-up Incubation

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