

## / 2020 INTRODUCTION /

1. About nepes
2. Business portfolio
3. Core technology
4. Global nepes
5. Corporate culture



nepes' 4D management began at the moment when the company name was chosen



## ◆ 4D(4th dimension) management?

The management that generate creation, innovation, pioneering and fun, satisfaction, and happiness



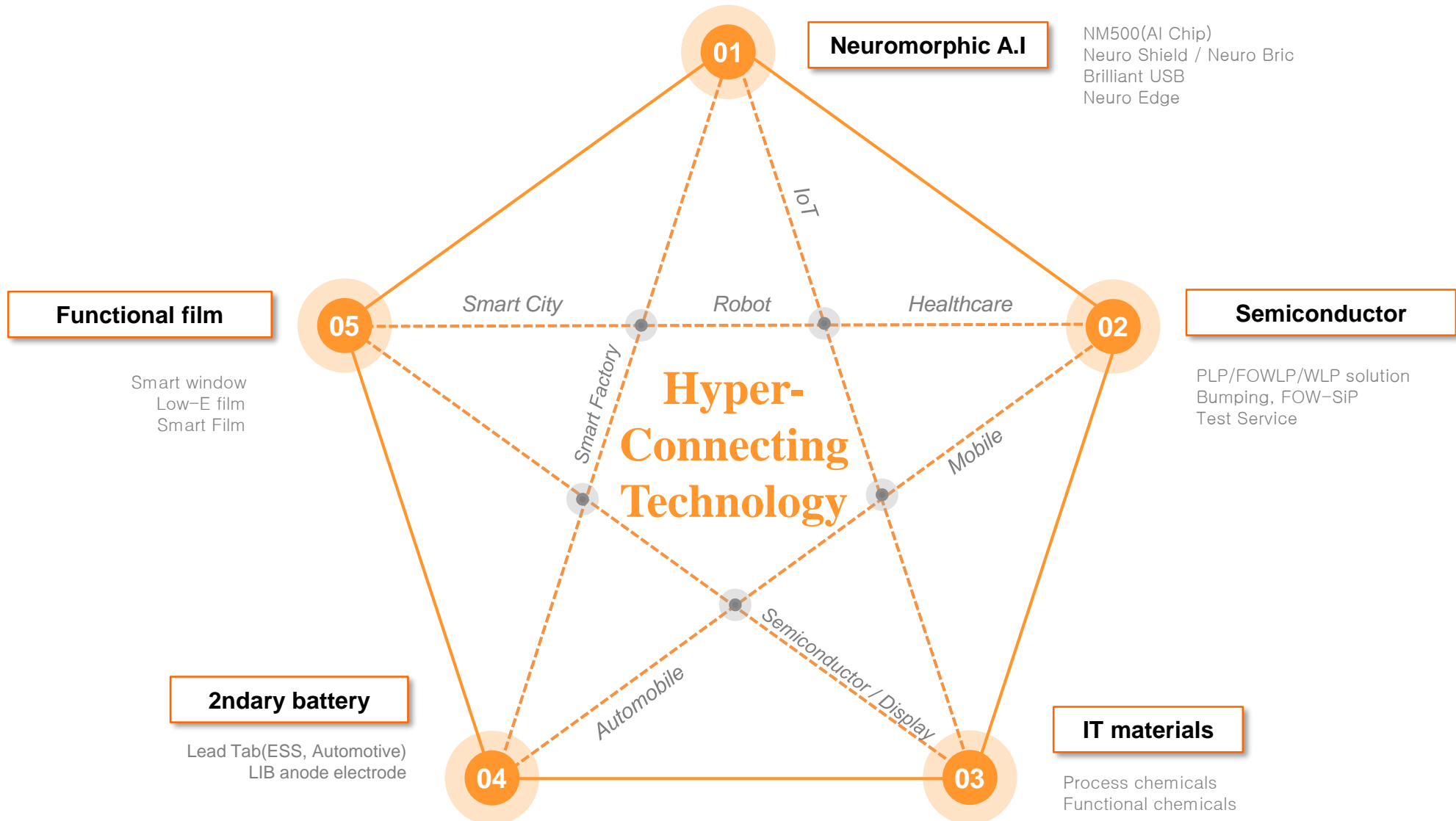
Logo >



From Hebrew: כַּיִן נָפֶס (khai nepes)  
 = Eternal Life / Dynamic  
 = **Longevity Corporation**

<b>Name of company</b>	nepes		
<b>Date of establishment</b>	1990. 12	<b>CEO</b>	Byung-Koo Lee, 李柄九
<b>Date of Listing</b>	1999. 12(KOSDAQ 033640)	<b>Overseas corporation</b>	CN, US, PHL, IDN, RUS

nepes makes Hyper-connecting Technology that connects future business





## Chosun Economy

### surveillance camera gets smarter!

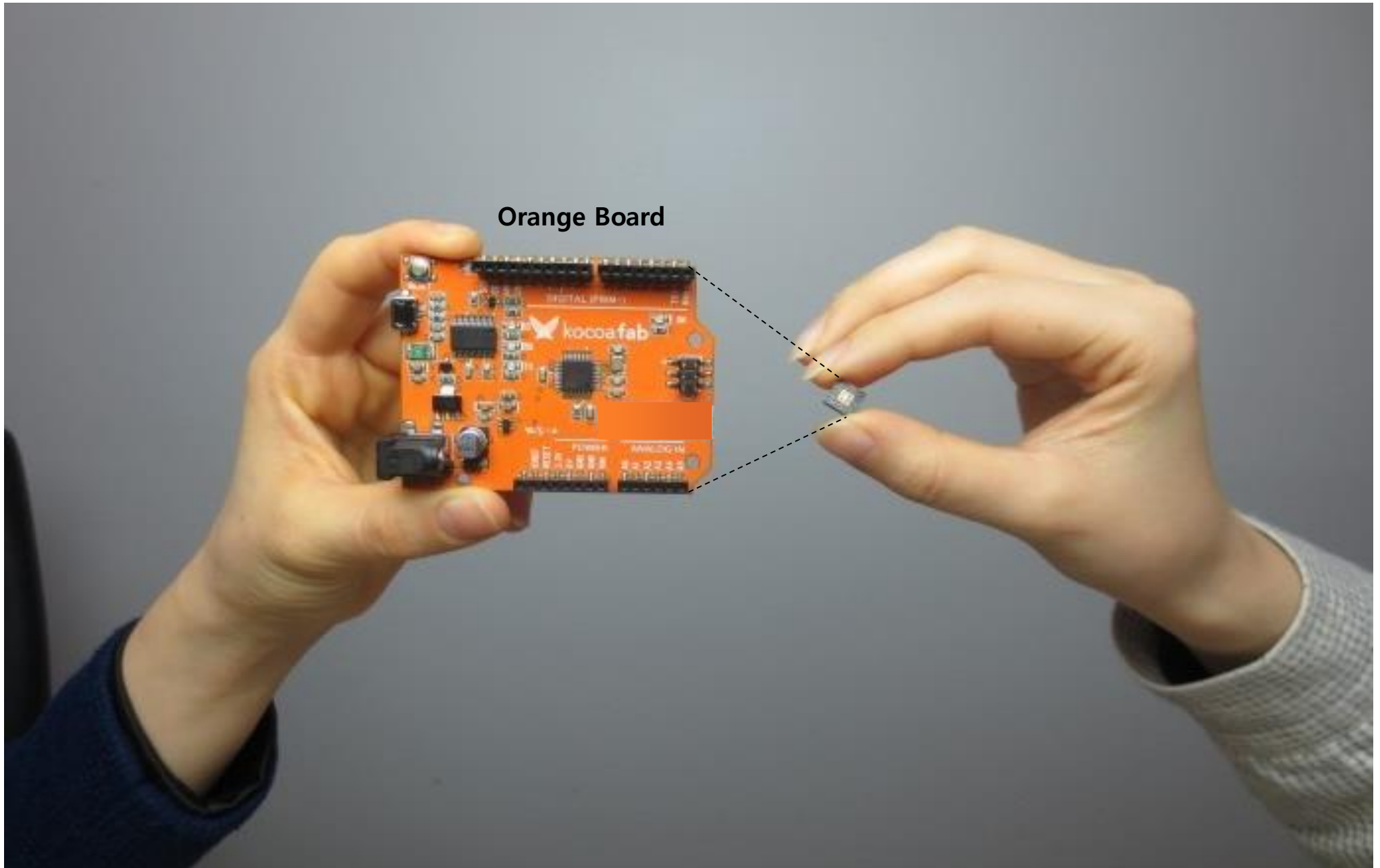
NEPES applied neuromorphic chip on surveillance camera to enhance detecting ability once detected every moving objects now detects only certain item

April 8, 2020 Chosun Economy

### Service & Products

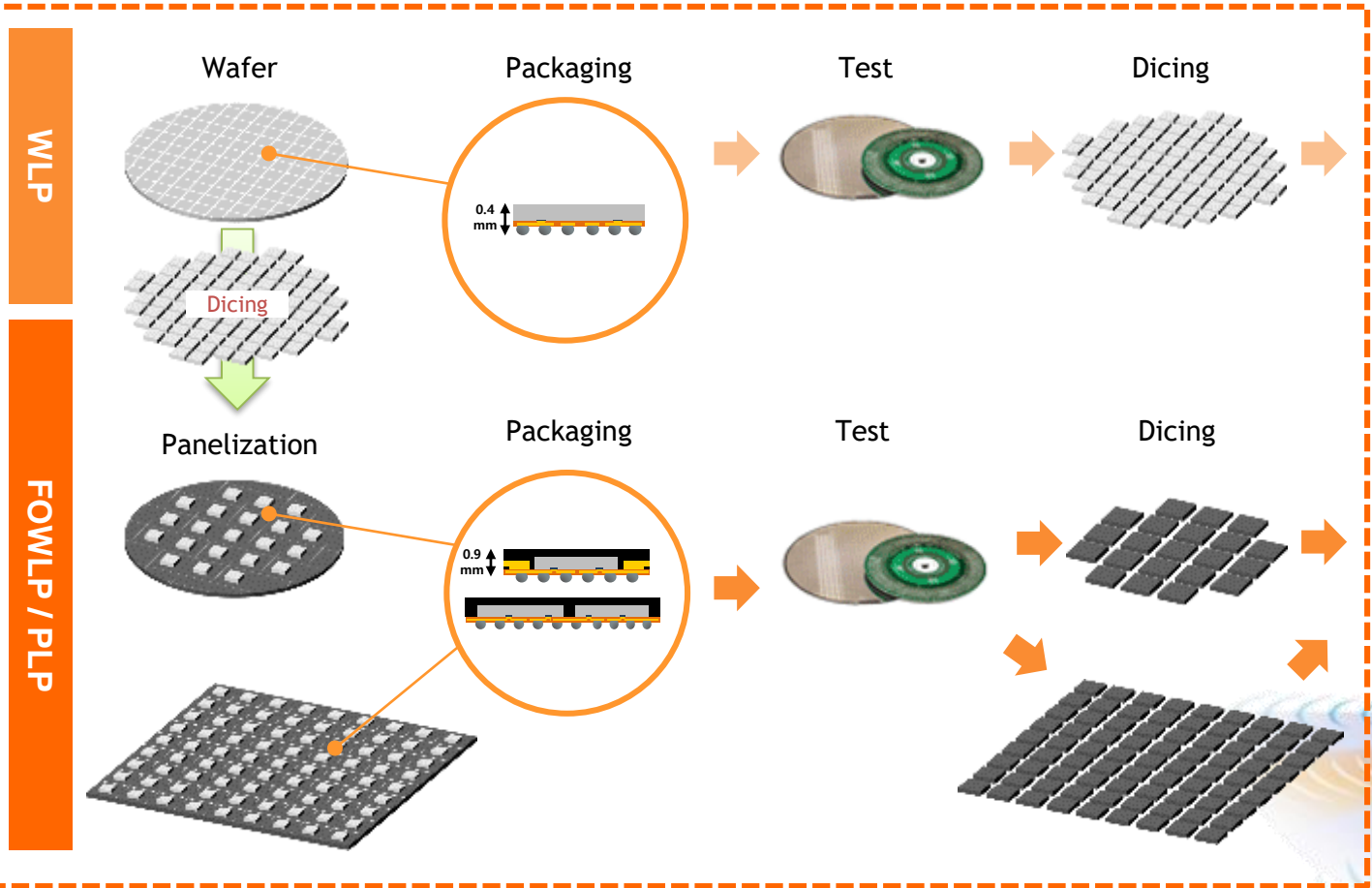
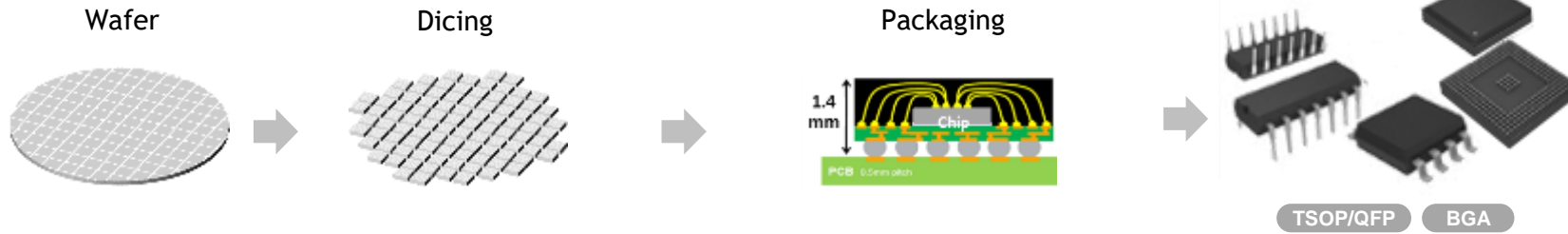
- NM500/Neuro Shield / Neuro Bric
- Neuro Edge
- Neuro Pi
- Brilliant USB
- Prodigy board





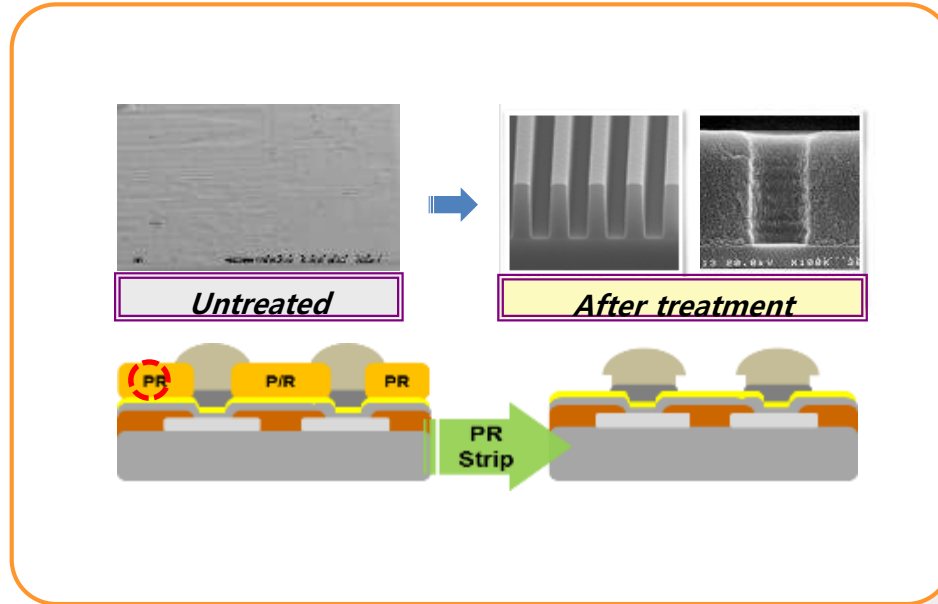


Conventional PKG



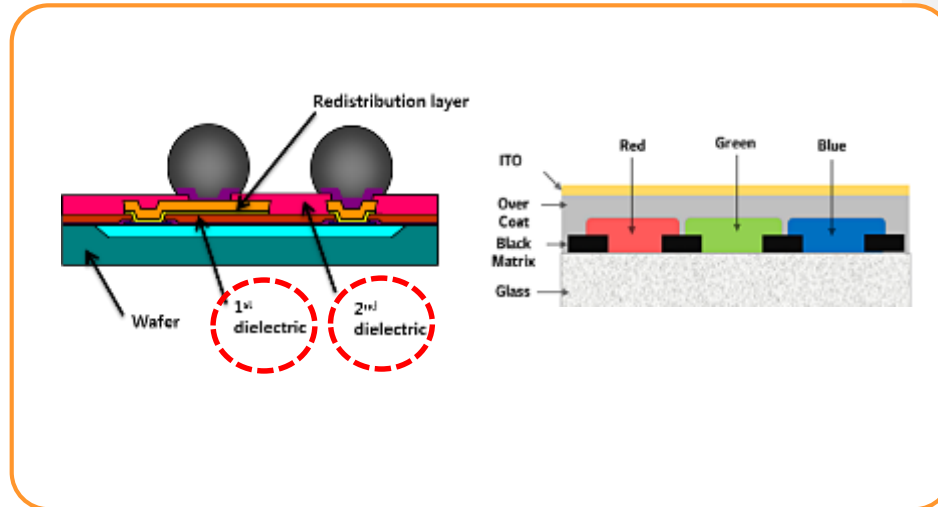
Process chemical

- PR
- Developer
- PSPI Developer
- Stripper
- Etchant
- HSN
- PV texture

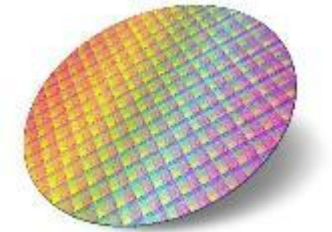


Functional chemical

- ILD
- Cu Plating
- Color paste

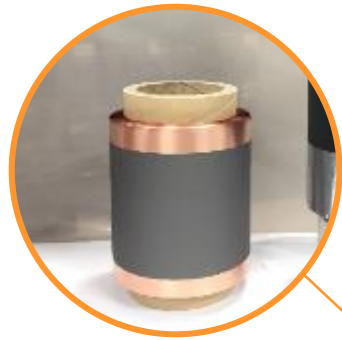


Applications

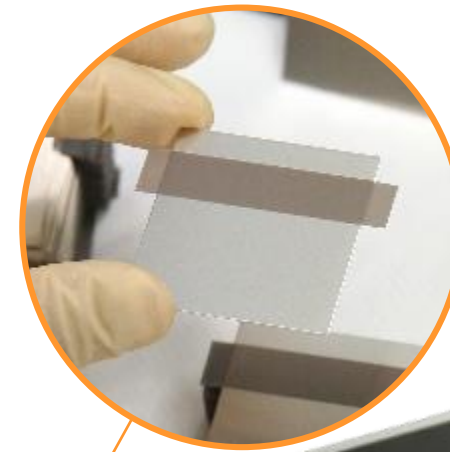


Semiconductor Display(LCD, OLED)  
Solar Cell

## Lithium Ion Battery (small battery)



LIB anode electrode



Lead Tab



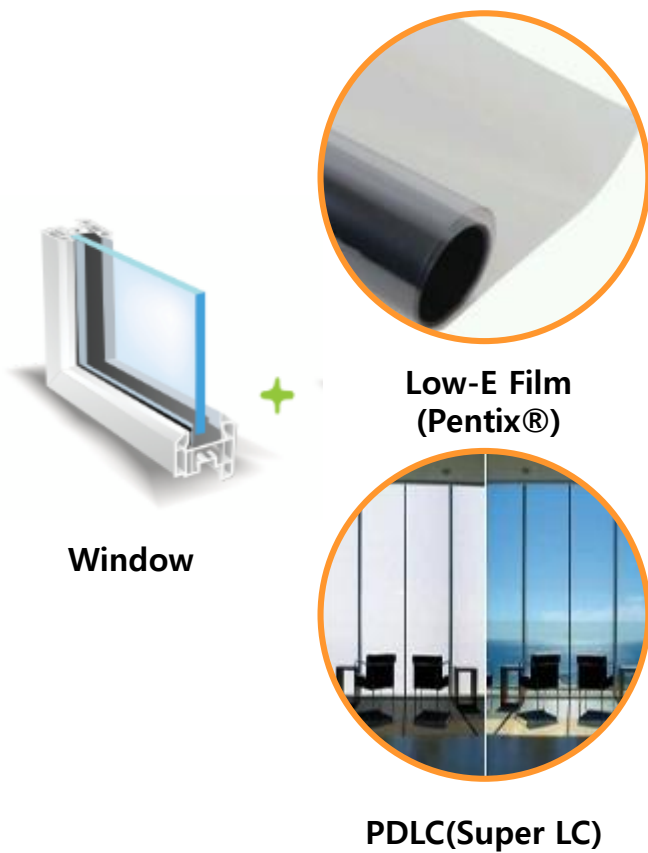
### Service & Products

- Lithium Ion Battery
- Lead Tab
- LIB anode electrode

### Applications







- To reduce cooling cost by rejecting solar heat from outside during the summer
- To reduce heating cost by blocking radiation heat loss in winter
- Opaque on normal and turns transparent when electricity is on

## Service & Products

- Smart Windows(on/off)
- Low-E film(Pentix50, Pentix60)

Item	SHGC <sup>1)</sup>	Emissivity <sup>2)</sup>	UV cut (%)	Tvis. (%)	
Others	0.45	0.78	100	50	
nepes	Pentix 50	0.38	0.10	99	51
	Pentix 60	0.43	0.11	99	63

1) SHGC : Solar Heat Gain Coefficient, Cooling Energy Saving  
 2) Emissivity : a measure of the ability of a surface to radiate energy; the ratio of the radiant flux emitted per unit area to that emitted by a black body at the same temperature





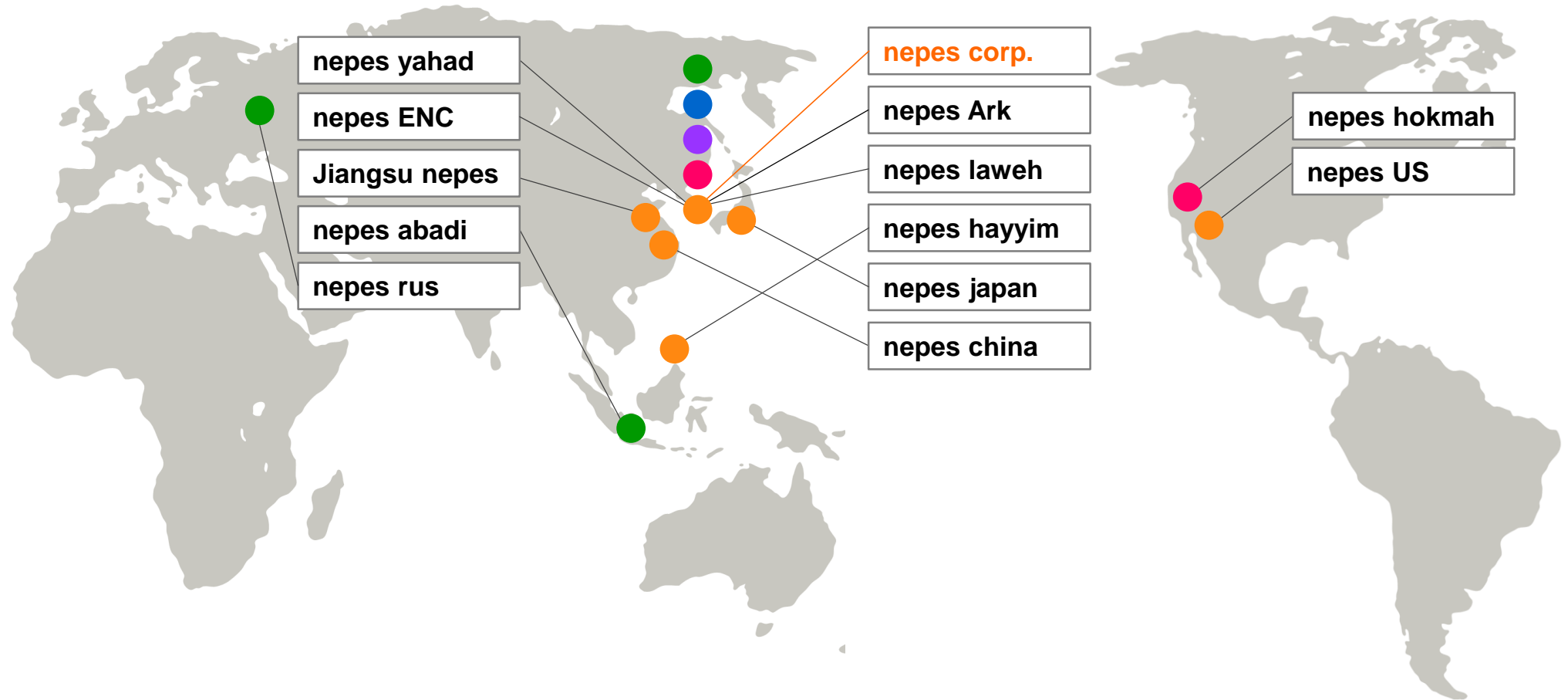
## Service & Applications

- Smart Sunglasses
- AR/VR glasses
- Switchable Mirror
- Vehicle



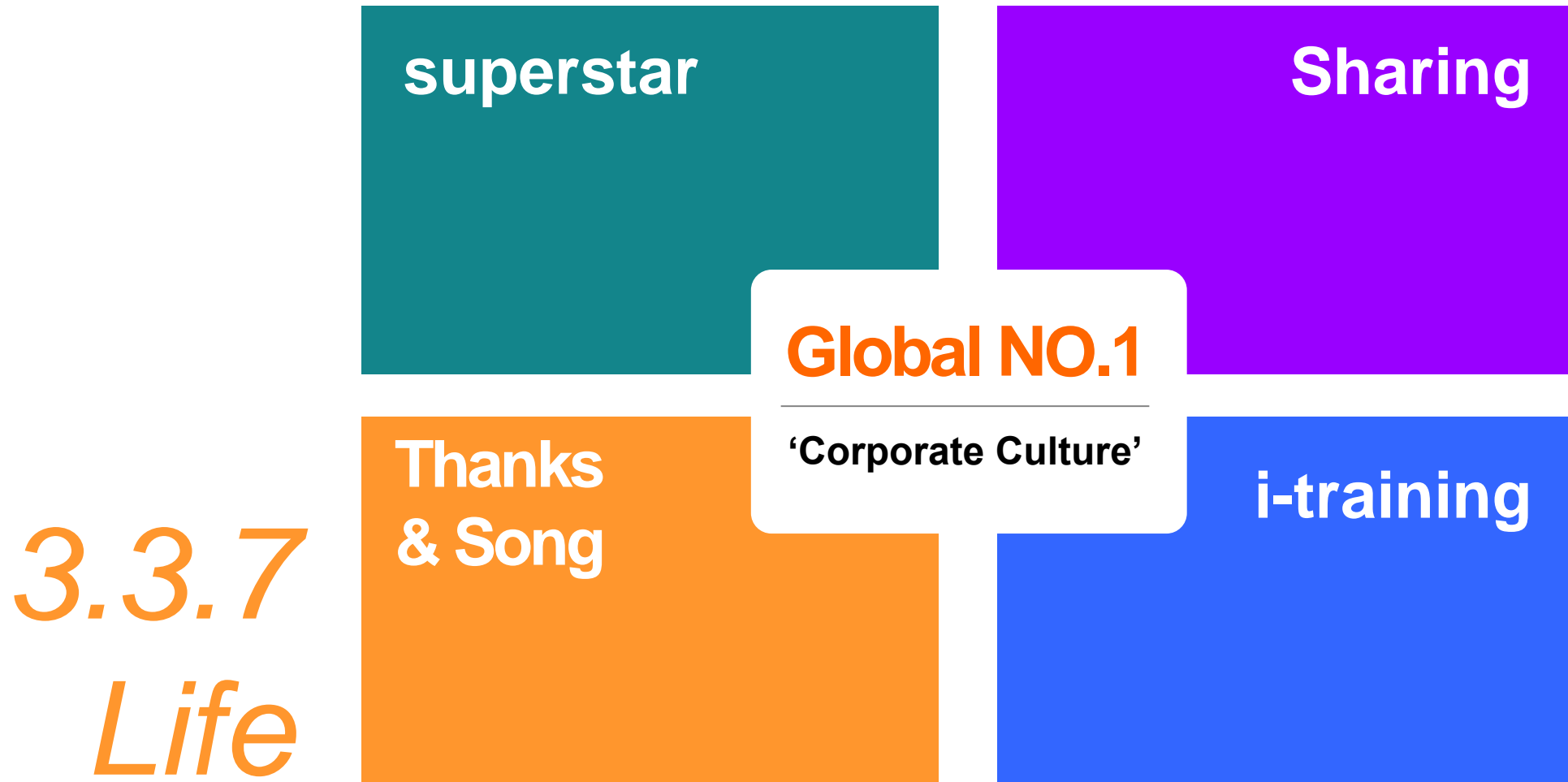
# Global nepes

We will serve the earth with our technology and products.



- Semiconductor
- Energy
- IT materials
- Neuromorphic A.I
- 2ndary battery

nepes continues to grow by developing the **corporate culture** and creating the performance.







## 3.3.7 Life

‘Corporate Culture’







nepes corporation  
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Tel : 02-3470-2700  
Fax : 02-3470-2708  
URL: [www.nepes.co.kr](http://www.nepes.co.kr)

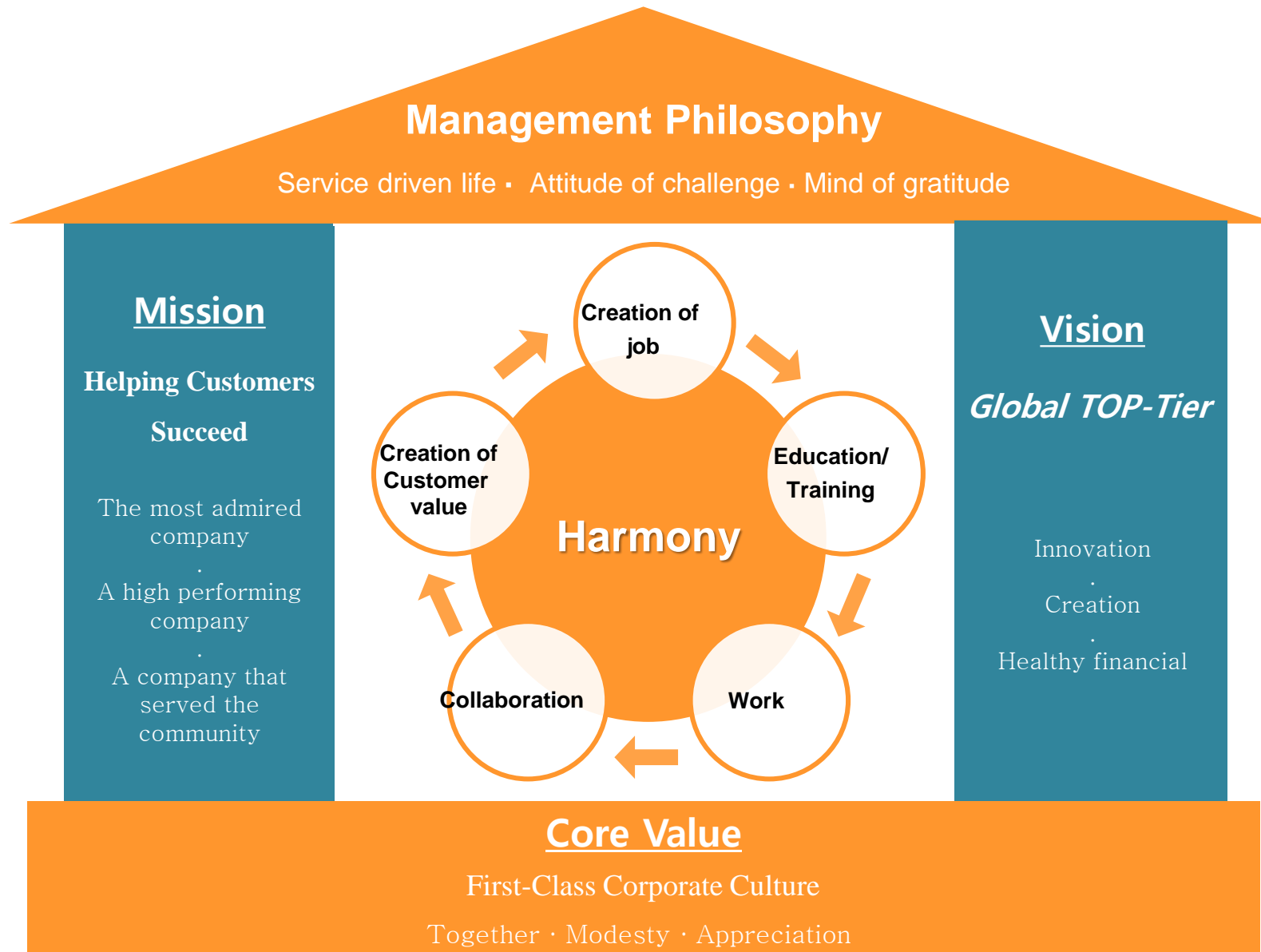
# Thank you

To Him who alone does great wonders, His love endures forever. Psalm 136:4  
\* A dandelion means 'Gratitude' in the language of flowers.



# Appendix 1. nepes Management Model

nepes is the company which consistently practices its **management philosophy**.



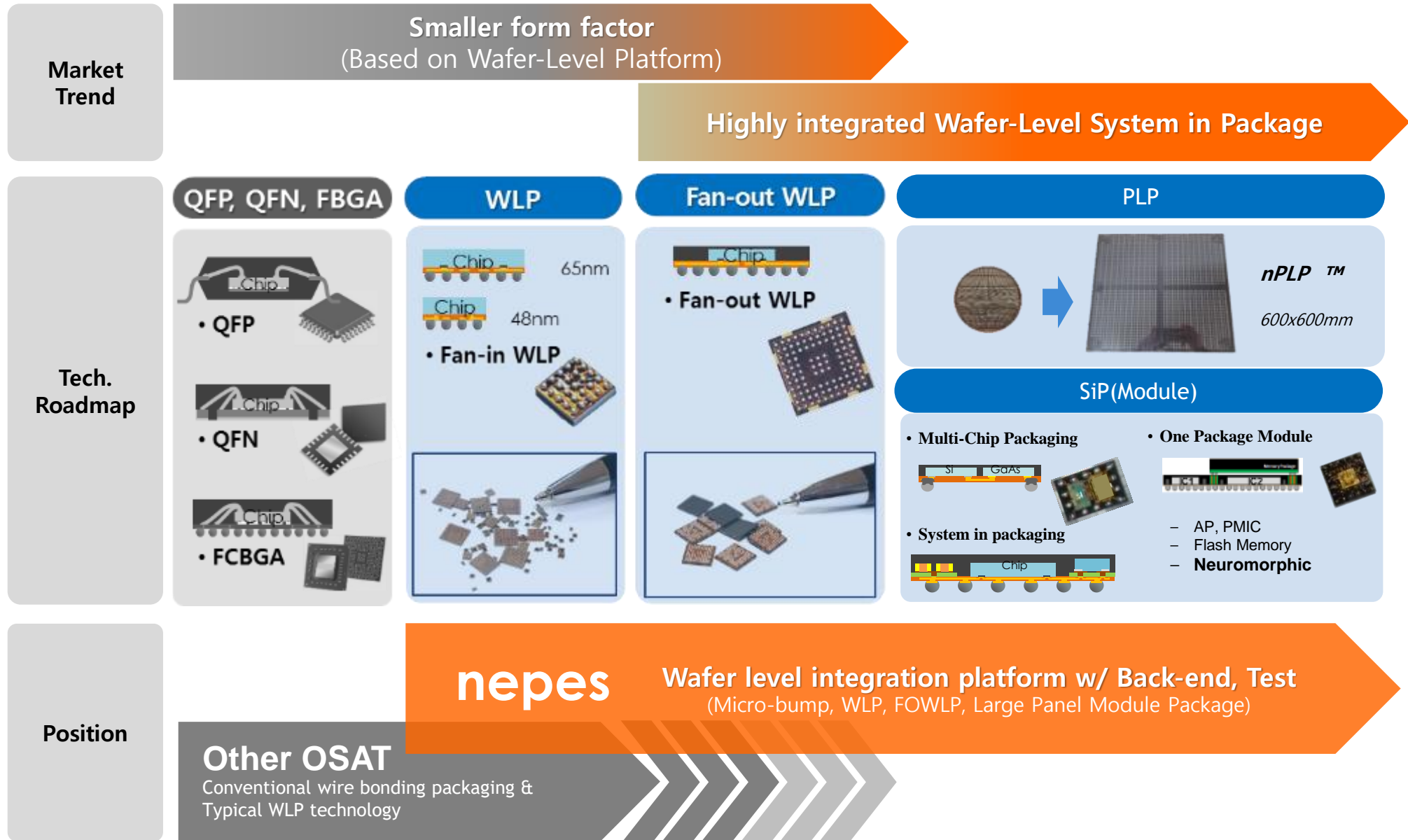
# Appendix 2. nepes Talent Model

nepes is the community in which those who have good personality and have the ability of the work gather together for the work.



Logo of nepes 	n Family community connected via gratitude	Greetings <b>superstar</b>	'superstar' is a unique word of greeting for those work in nepes when calling the other person in higher respect.
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## 2D / 3D System Integration

### Warpage Control

### Shortest Electrical Path

**neipes FO-WLP**

### RF Performance

### Thermal Management

### *FO-SiP*

### *Stackable FO-WLP*

*The combination of Memory and non-memory*