



# **Introduction of the “RFID/USN Center” and the MEMS in Korea**

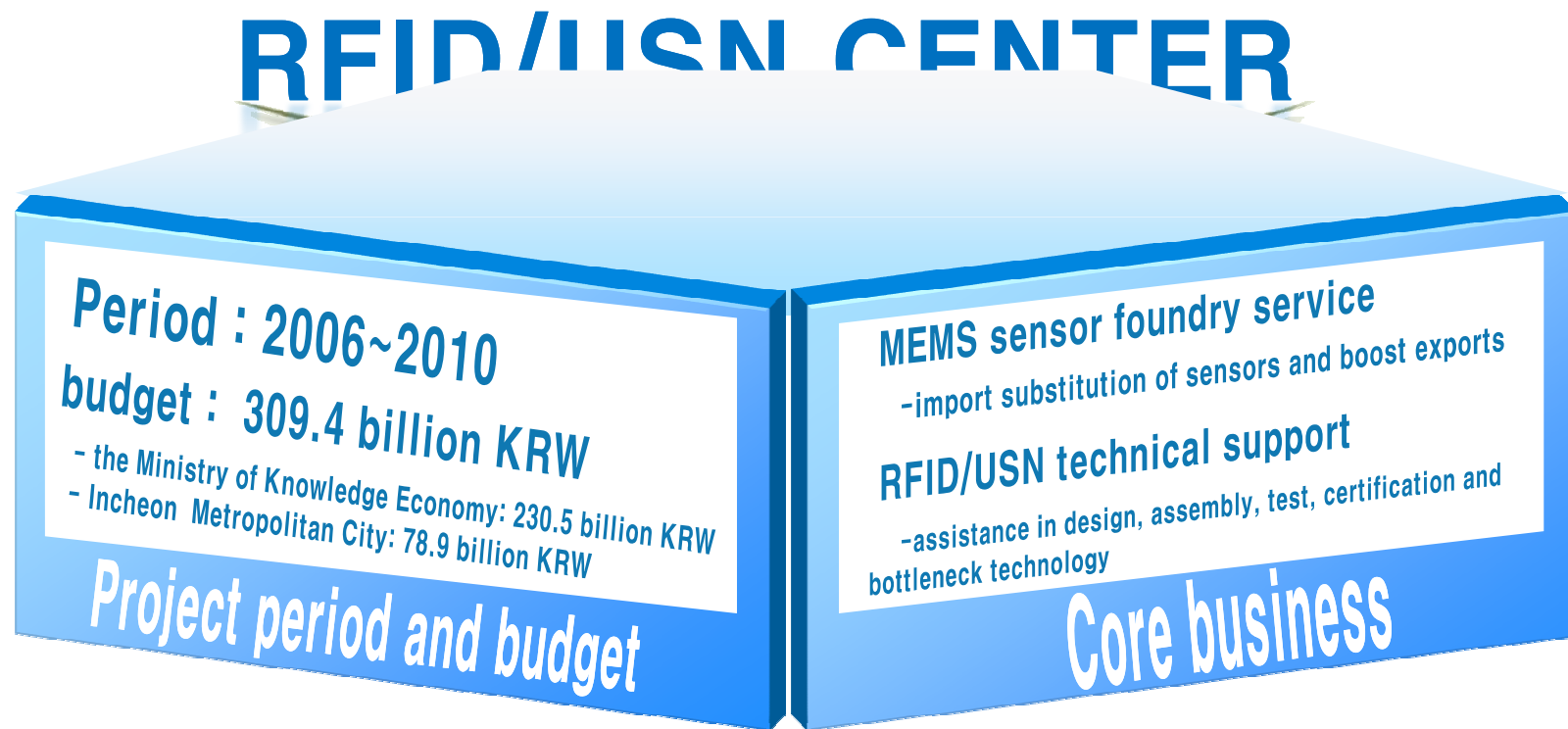
**February 10. 2011**

**RFID/USN Center**

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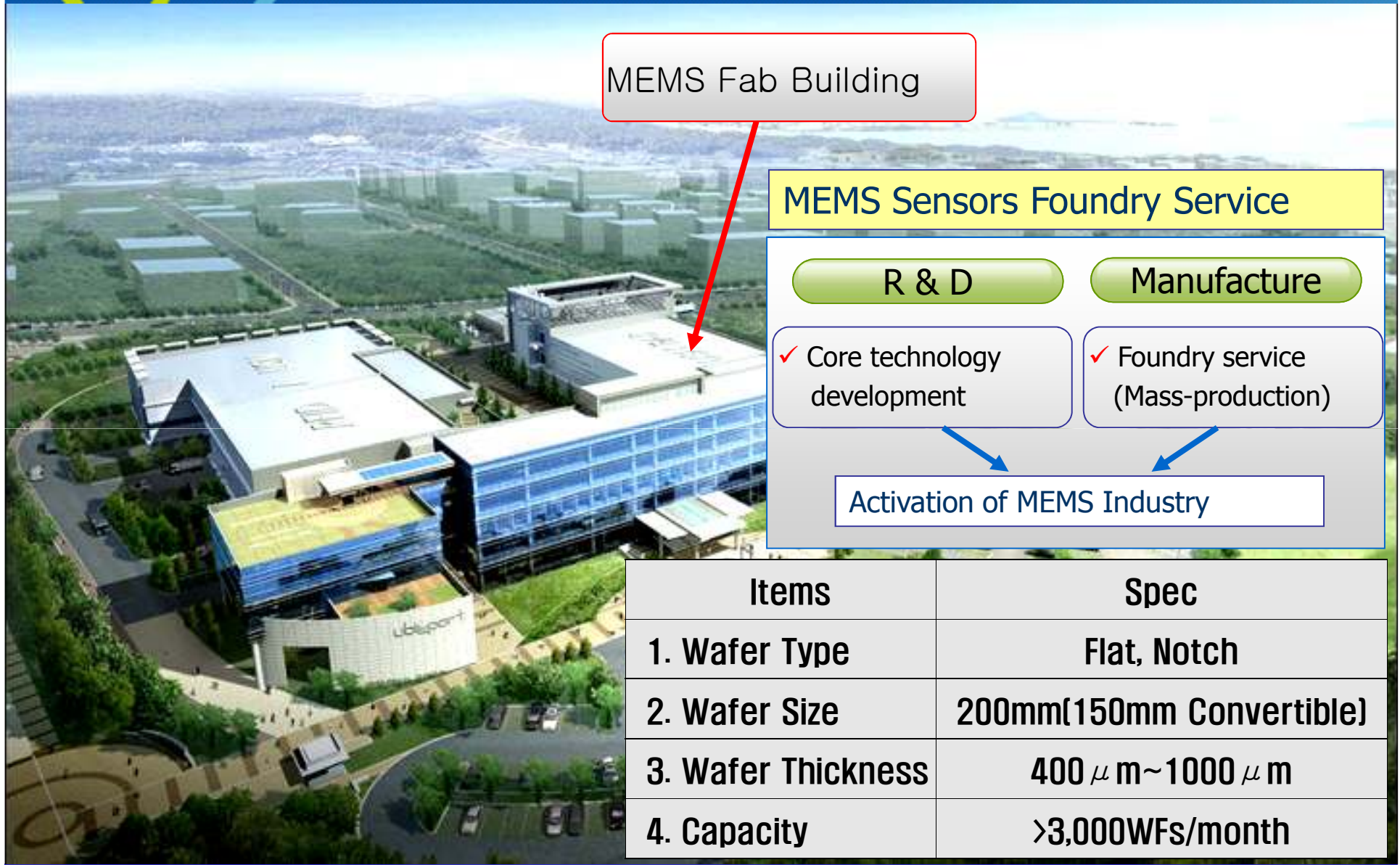
# 1 . RFID/USN Center Overview

Facilitate R&D and production service promoting  
RFID/USN & MEMS sensor industry and driving green growth



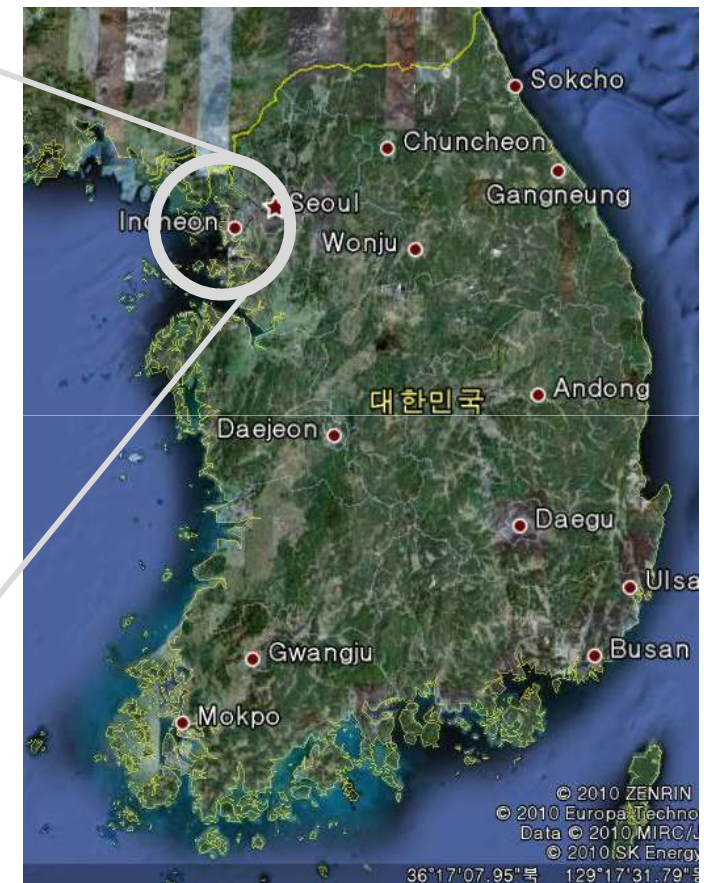
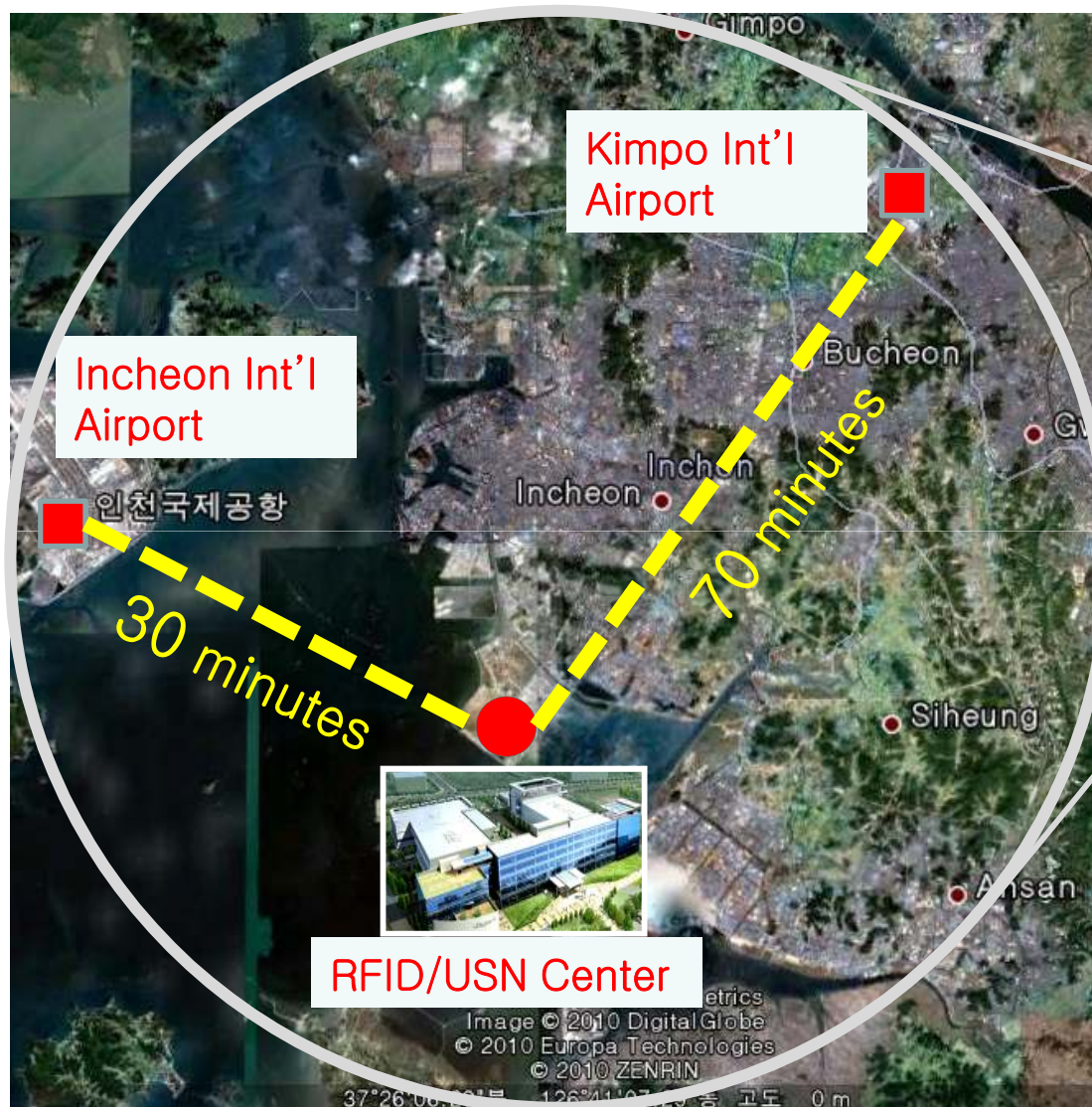
※ Total budget of MEMS Fab division: 68.8 billion KRW (cost for equipment)

# MEMS Fab ?

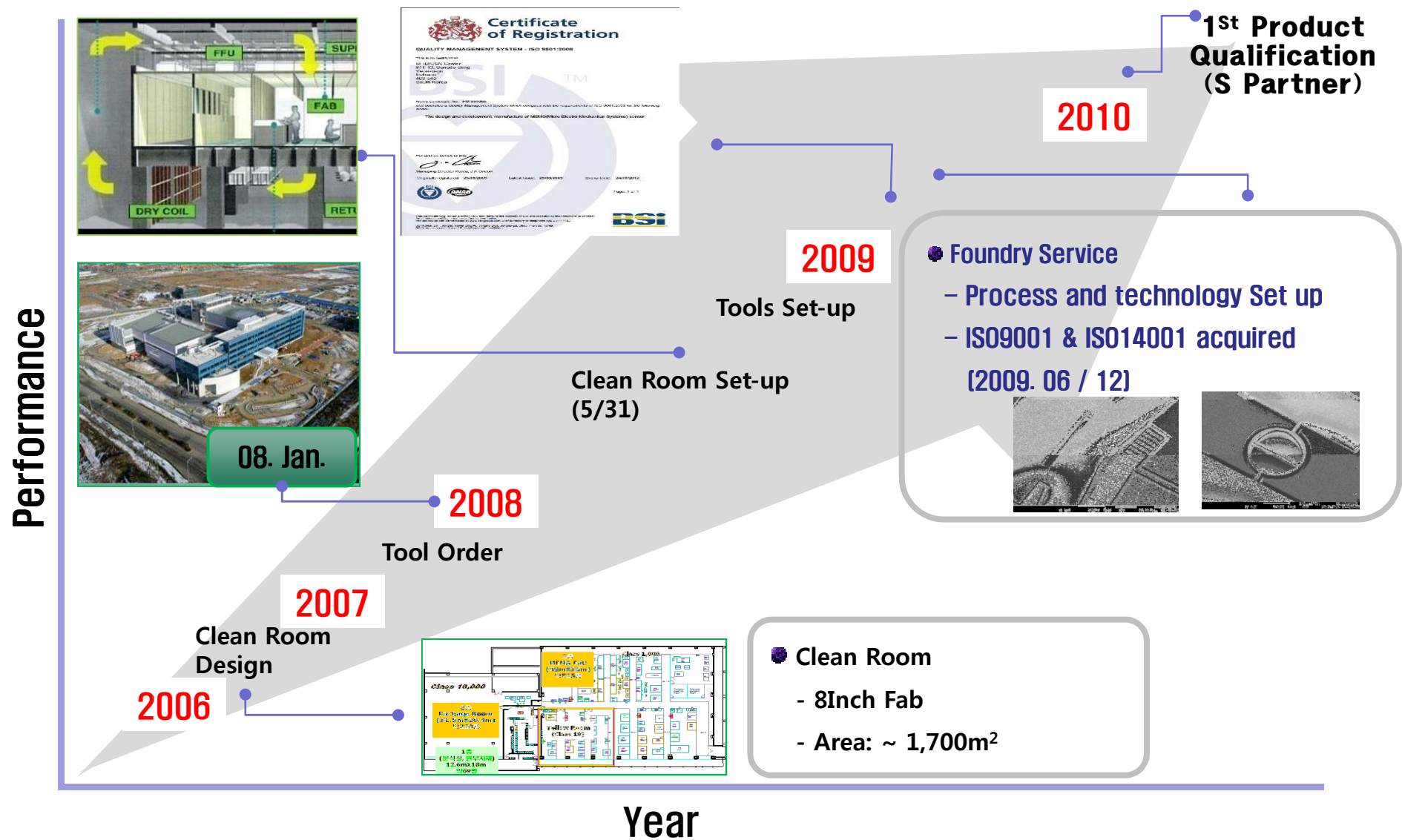




# MEMS FAB – Location

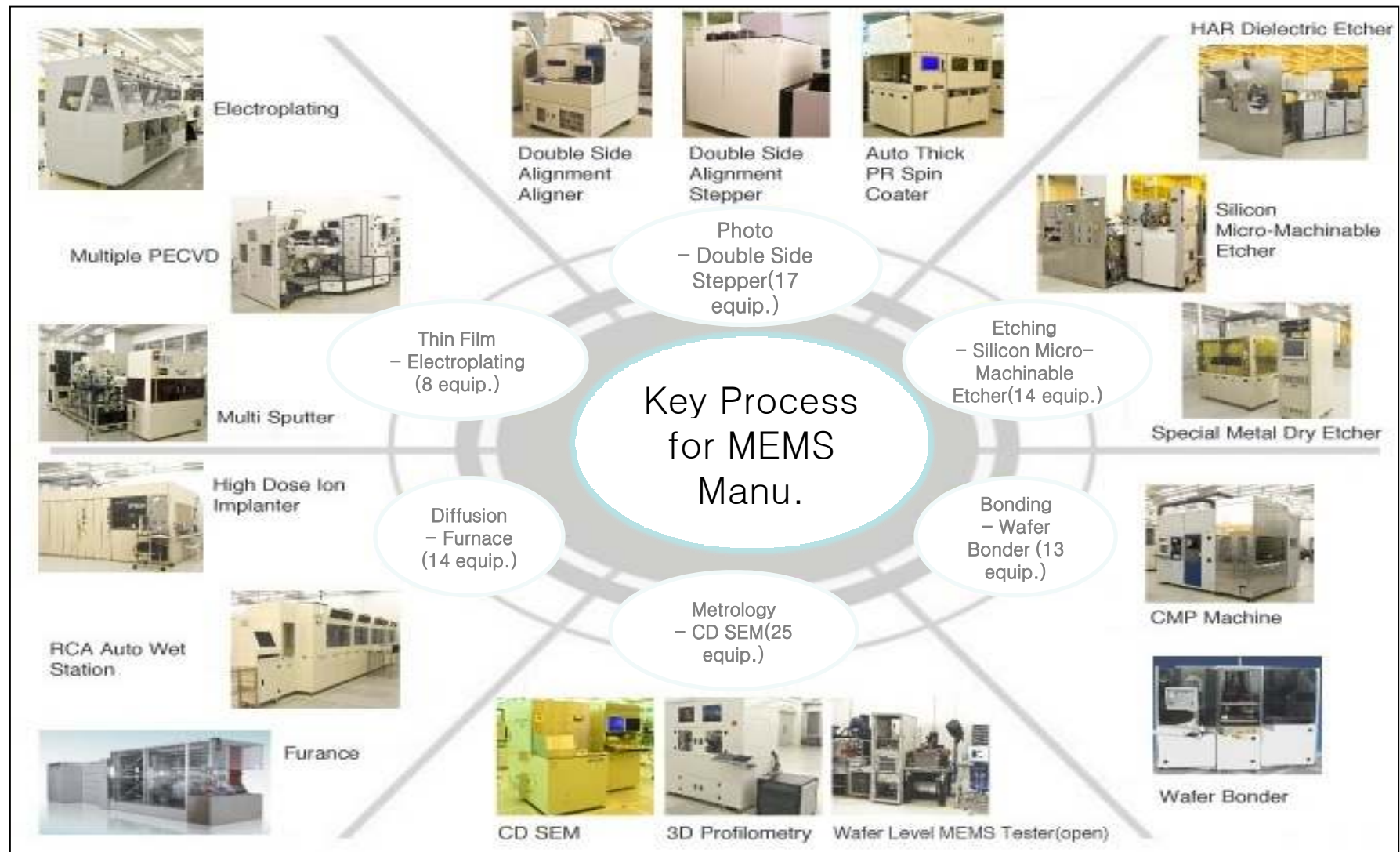


# History of MEMS Fab



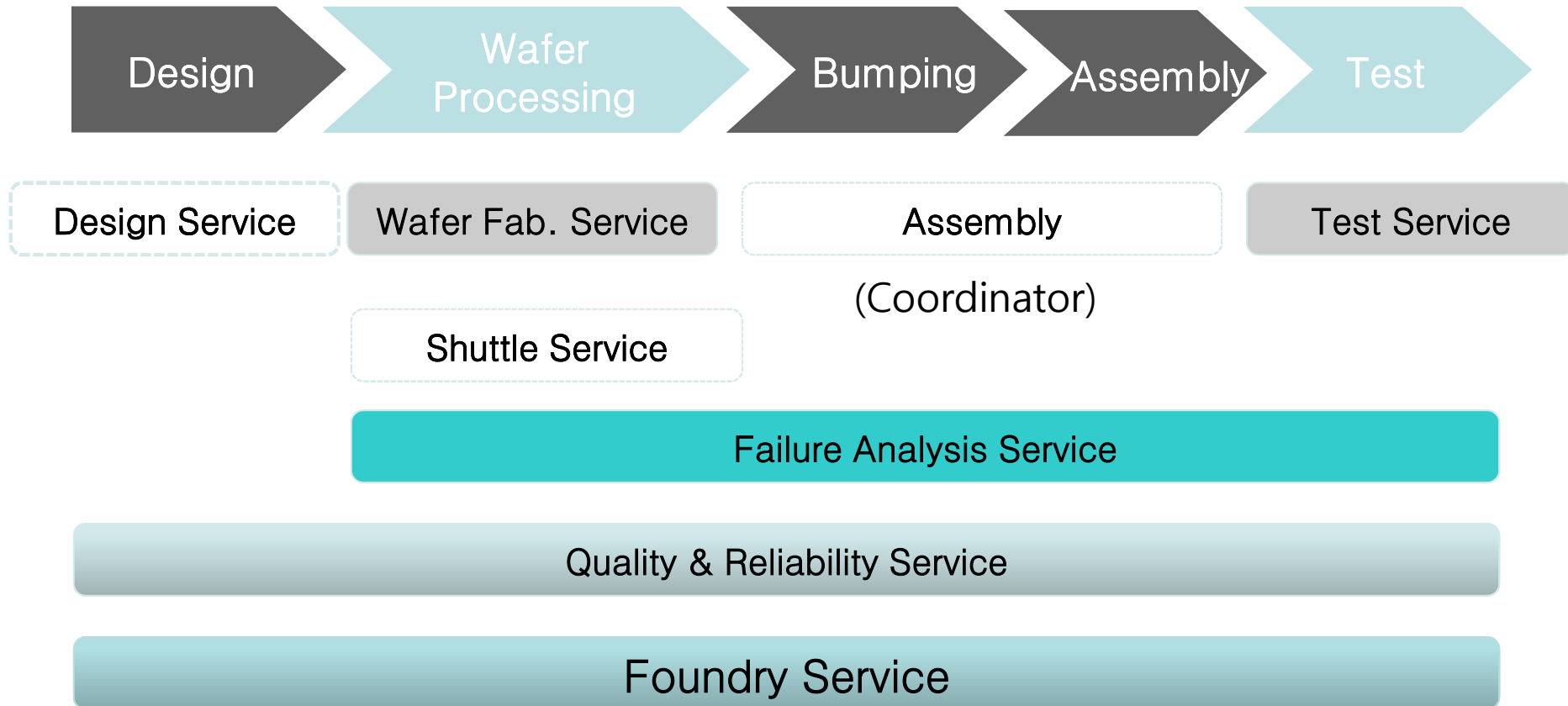


# Tools for MEMS Process

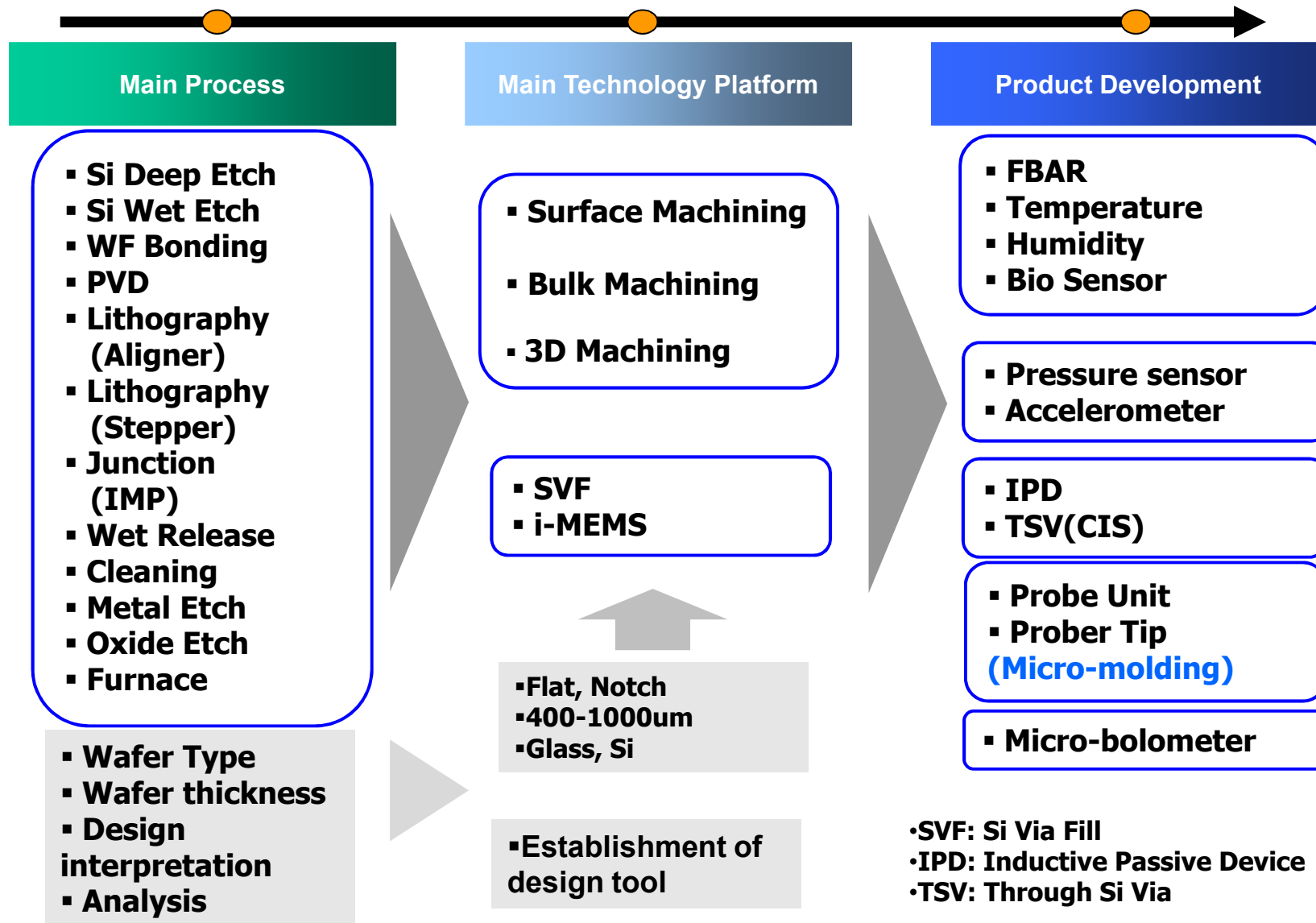


# Foundry Service of MEMS FAB

## • THE CYCLE OF MEMS PRODUCTS

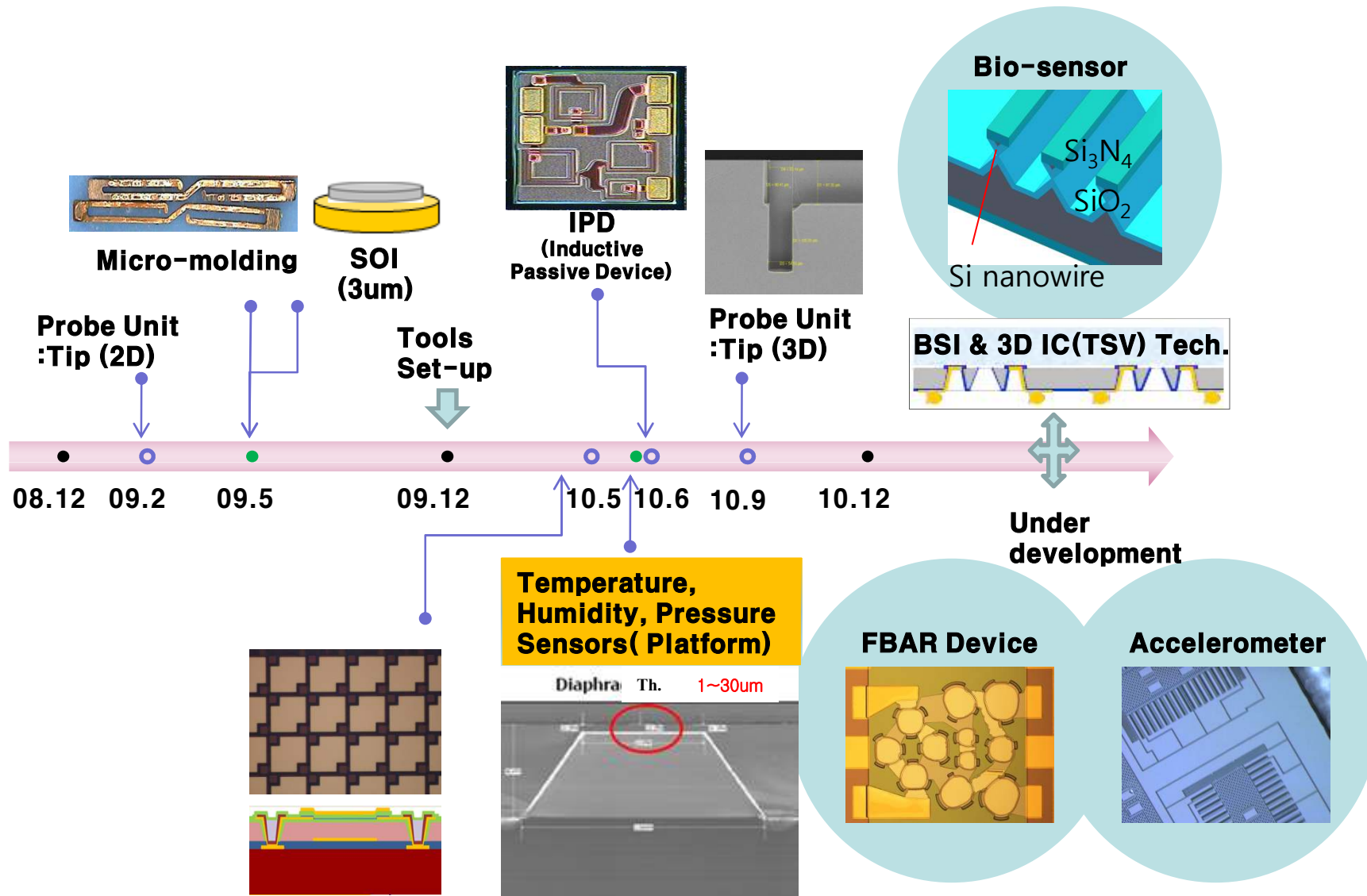


# Technology of MEMS FAB

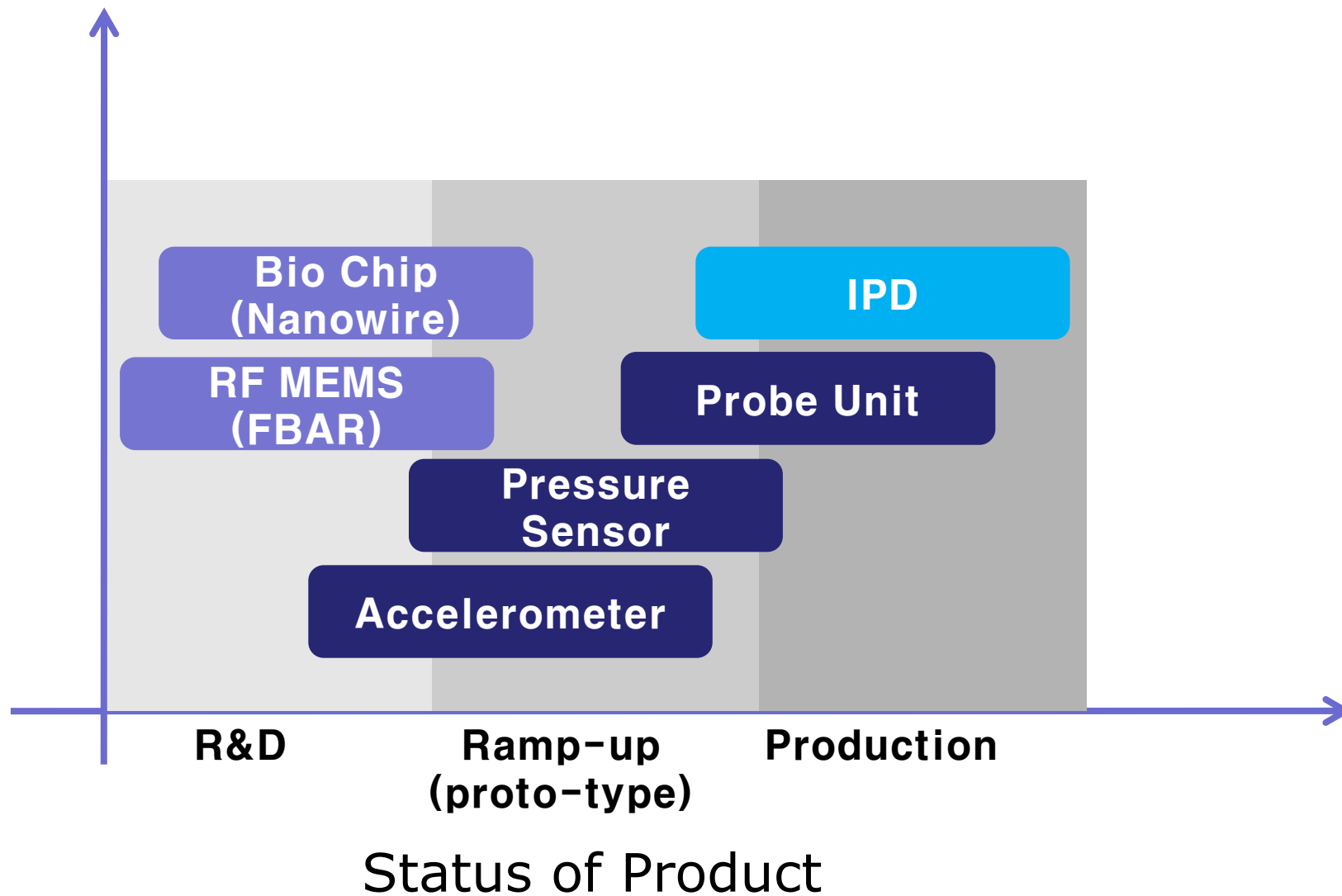




# Technology of MEMS FAB – Status of Product (I)



# Technology of MEMS FAB – Status of Product(II)



## 2. The Status of Korea MEMS Industry(I)

### ▪ Companies for Probe Card



### ▪ Inertial Sensor



### ▪ IR Sensor



### ▪ RF MEMS



### ▪ Bio-Sensor

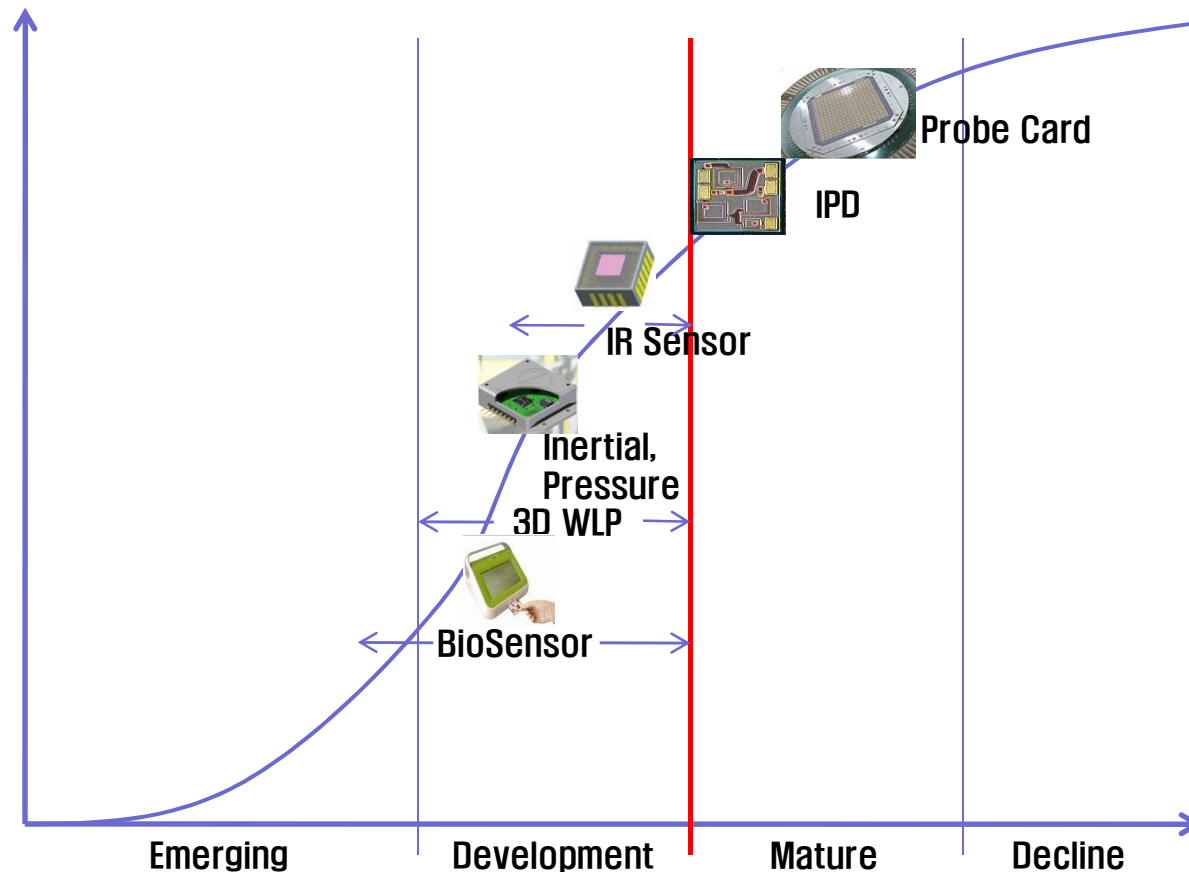


### ▪ 3D WLP





## 2 . The Status of Korea MEMS Industry(II)



The technology of probe card using MEMS was mature in Korea, but the others weren't. Nevertheless, a long time R&D, the commercialization of MEMS products was delayed. To overcome these hurdle, we have prepared 'technology platform' to mass product and 'value-chain (or Infrastructure)' for connecting supply chain. (After this page, to be updated)