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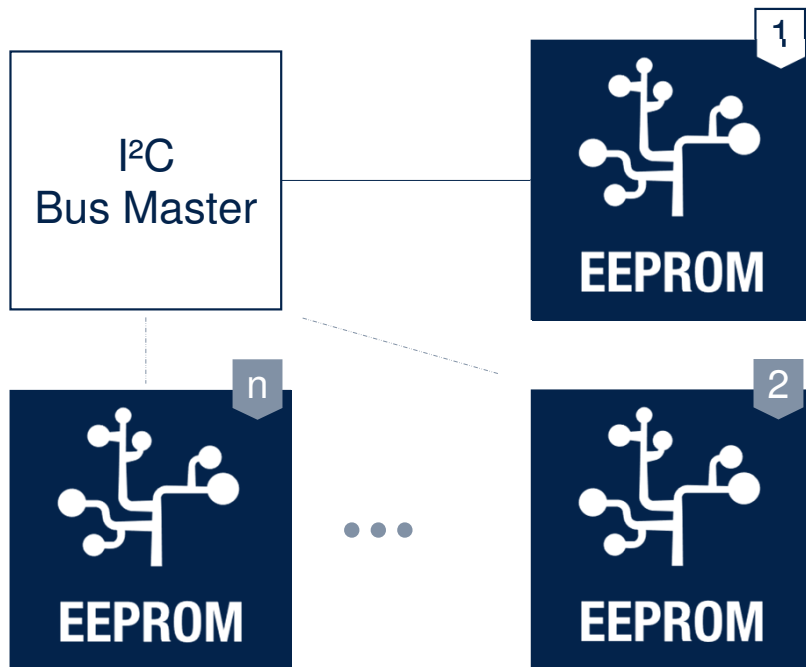
**Discover the M24256E-F**

**The 256Kbit I<sup>2</sup>C EEPROM in SO8N  
from new process**



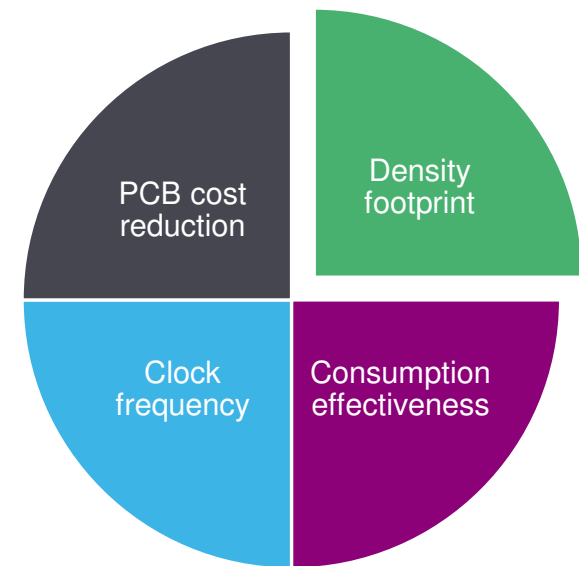
**EEPROM**

## 1. Multiple EEPROMs on same bus



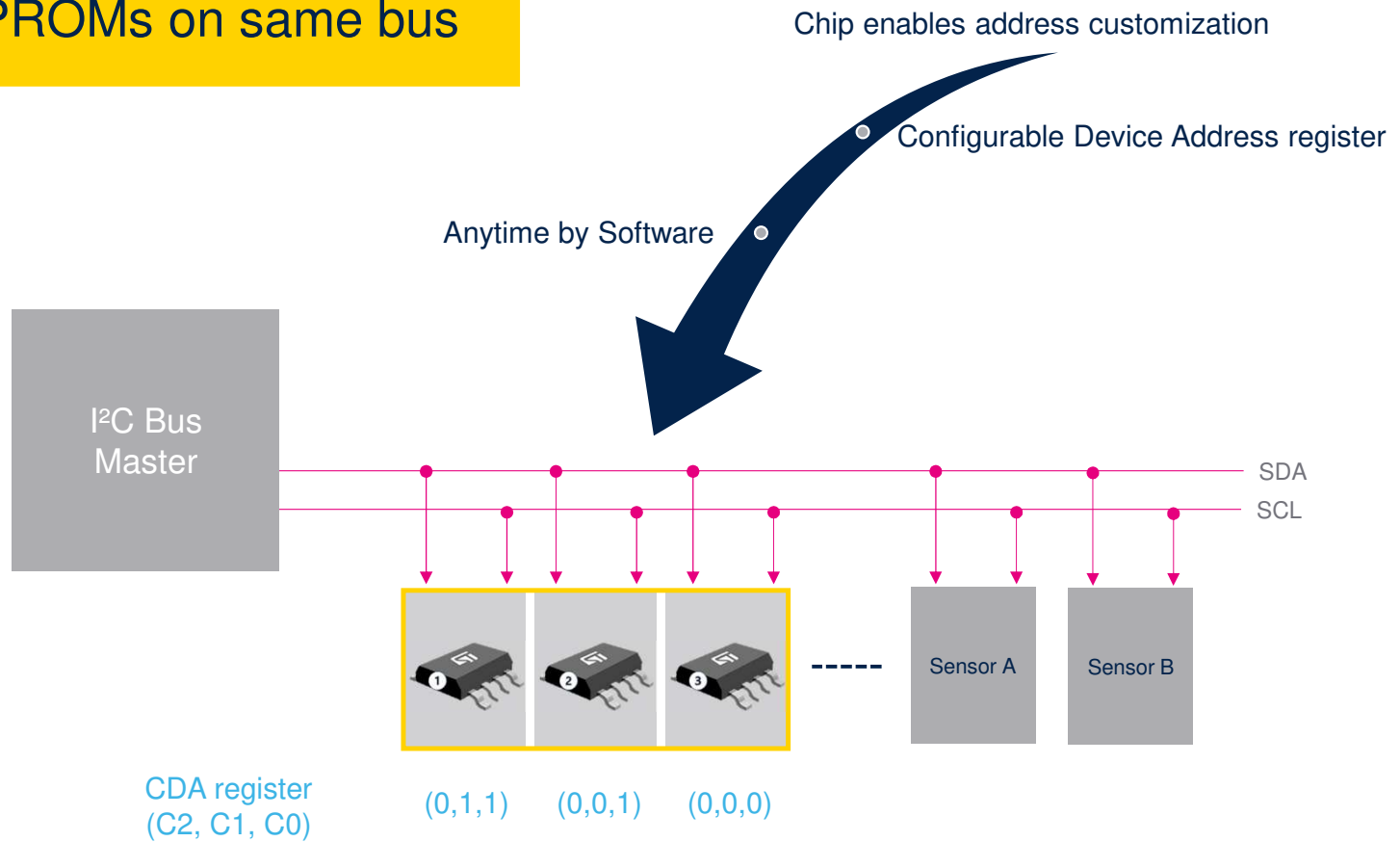
## Two main new features

## 2. Enhanced technology process



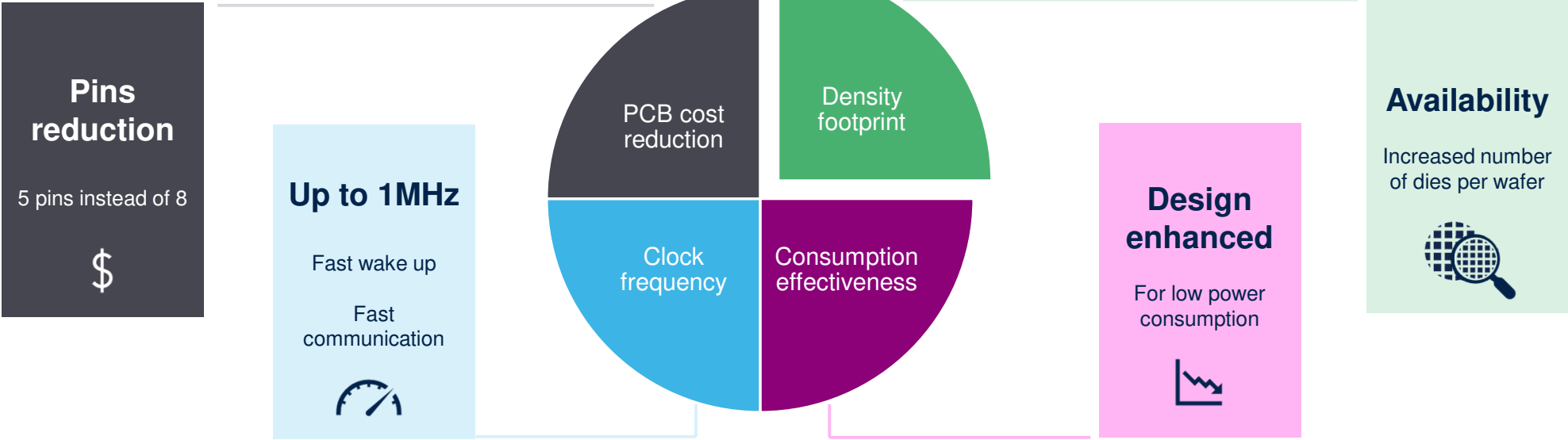
# Configurable device address

## 1. Multiple EEPROMs on same bus



# New customer offer

## 2. Enhanced technology process



# Key features

Fast wake-up & communication, low supply

**SO8N package**



**EEPROM**

**Configurable Device Address register**  
**Software Device Address register**

- 256Kbit memory organized as 32Kbytes
- SO8N JEDEC package **4.9 x 6 mm**
- **Fast-mode Plus** (1MHz) across **1.6 V to 5.5 V**
- Temperature range -40°C up to +85°C
- 64 bytes per page
- 5ms for byte and page write
- **4 Million** write cycles at 25°C
- **200-year** data retention
- ESD HBM **4000V**



# Where you find the M24256E-F typical applications

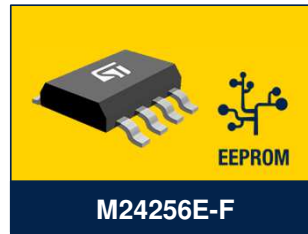
eMetering



Industrial




Printers



## Additional resources

 Find out more on [M24256E-F product page](#) and apply for samples

 Download the [datasheet](#)

# Our technology starts with You



Find out more at [www.st.com/EEPROM](http://www.st.com/EEPROM)

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