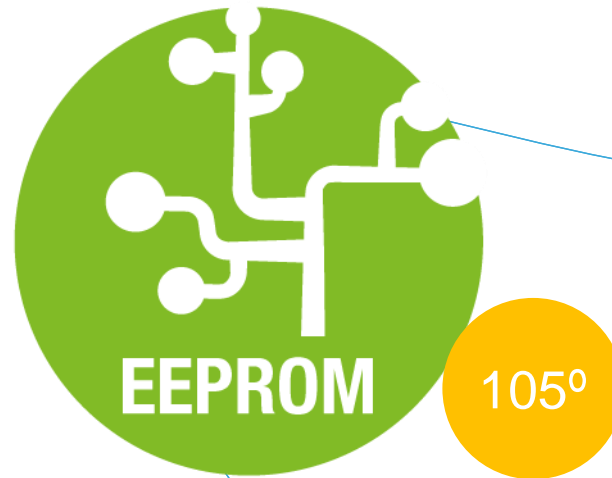


Overview :

# Industrial-Plus : 105°C operation EEPROM

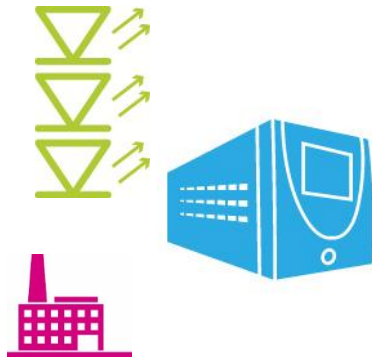


# Key messages

2

ST is the world's #1  
EEPROM supplier with more  
than 25% market share for  
10 years

45% market share in the  
Automotive segment reflects  
the high quality and  
reliability of ST EEPROM



ST launched a new  
EEPROM  
Industrial-Plus series  
guaranteed up to **105°C**  
to meet new application  
operating requirements

105°

# EEPROM at a glance



## Standard

-40 to +85°C Industrial

-40 to +105°C Industrial-Plus

Up to 2 Mbits, also in ultrathin WLCSP



## Automotive

-40 to +125°C AEC-Q100 grade 1

-40 to +145°C AEC-Q100 grade 0

Up to 2 Mbits, SO8N, TSSOP and WDFPN8



## Application specific

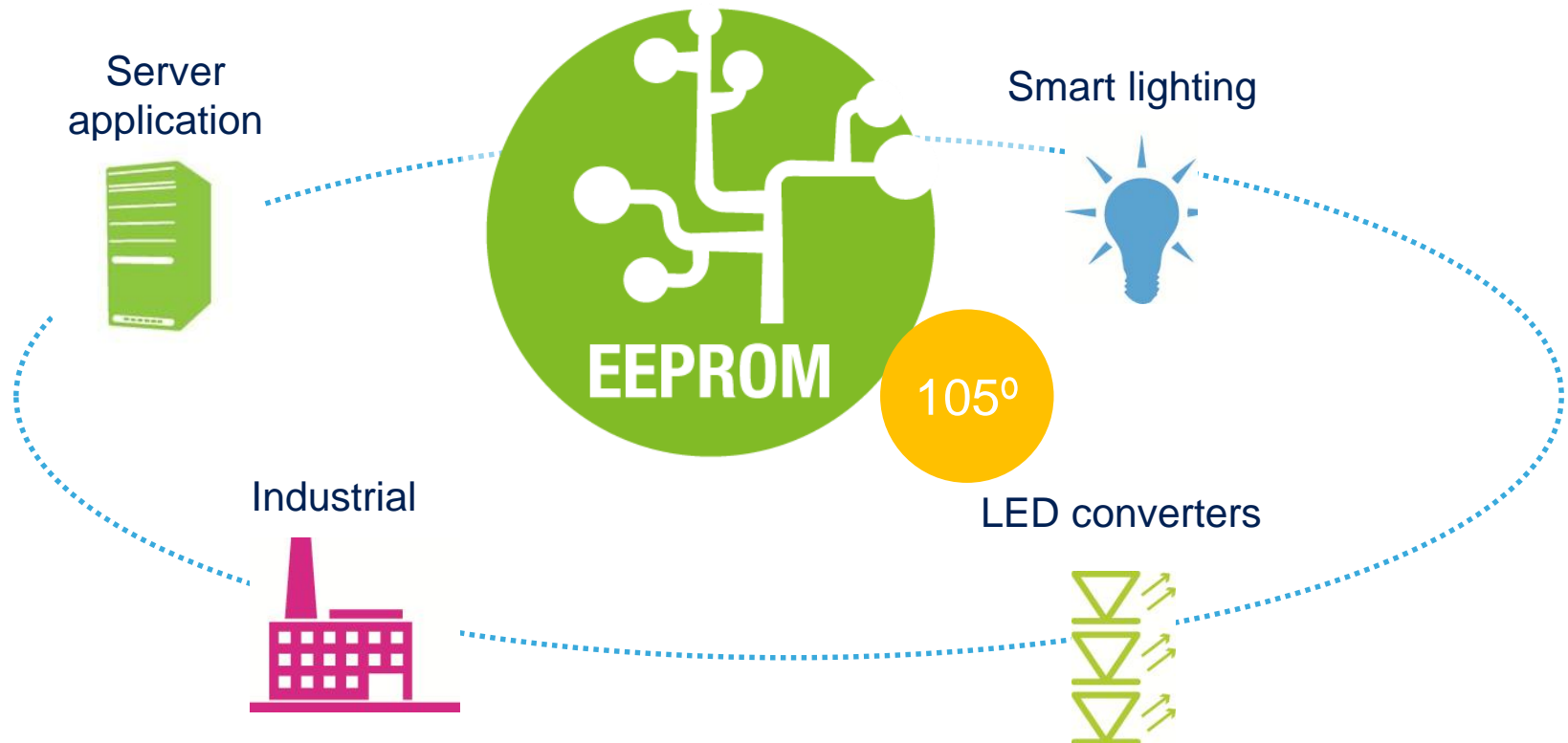
DRAM Module supporting DDR2, DDR3 and DDR4

Fast write feature



# Industrial-Plus 105°C Applications

External EEPROM is the first choice for flexible parameter management and **matches 105°C industrial requirements**





# CPN/Samples status 5

		2Kb	4Kb	8Kb	16Kb	32Kb	64Kb	128Kb	256Kb	512Kb
I2C	SO	✓	✓	✓	✓	✓	✓	✓	✓	✓
	TSSOP	✓	✓	✓	✓	✓	✓	✓	✓	✓
SPI	SO	-		✓	✓	✓	✓	✓	✓	✓
	TSSOP	-		✓	✓	✓	✓	✓	✓	✓

# Industrial-Plus 105°C advantages

6

Features	Benefits
Available for I <sup>2</sup> C and SPI From 2 Kbits to 512 Kbits	Fits all standard buses All density requirements
Operating from -40 up to +105°C	Adapted to stringent industrial requirements
SO8N and TSSOP	Light and small designs
Byte & Page write within 4ms	Fast programming time
200 Years data retention 4 Million Cycles	Highest level of reliability
Lockable and identification page	Store sensitive data like traceability, serial number, customer unique ID...



## ● ST EEPROM Industrial-Plus

- ST, the #1 EEPROM supplier, is now enlarging its portfolio with a new temperature range to meet 105°C Industrial application requirements
- Without compromising on its outstanding robustness :
  - 200 Years data retention
  - 4 Million Cycles

## ● ST EEPROM service

- Free samples & Buy on line
- IBIS and Verilog models
- Short Lead time
- Double sourcing strategy
- ROHS and lead-free package



Thank you!



ST stands for  
**life.augmented**