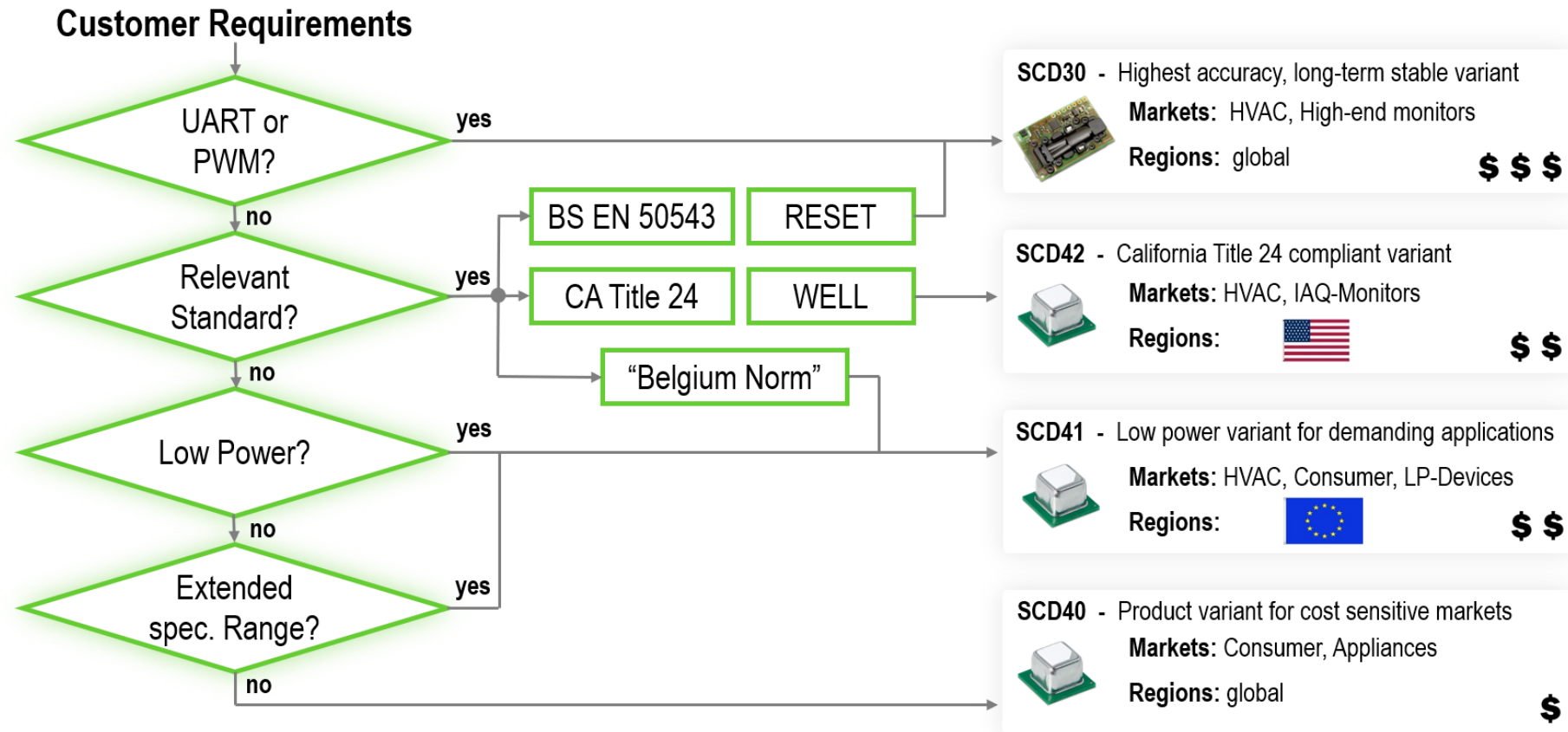


# SCD Decision Tree

January  
2022

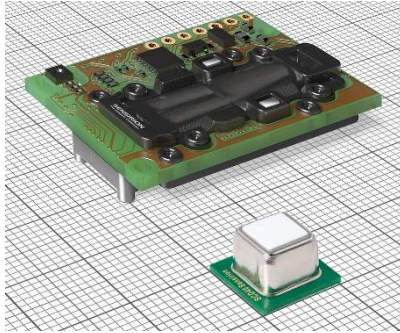
## SCDxx decision tree for new customer projects



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**SENSIRION**

# SCDxx – Optical Carbon Dioxide Sensors



## SCD30: State-of-the-Art Transmissive NDIR Sensor

- Highest Accuracy:  $\pm (30 \text{ ppm} + 3\%)$
- Dual Channel detection for superior long-term stability

## SCD4x: Miniature Photoacoustic NDIR Sensor

- World's smallest optical CO<sub>2</sub> Sensor
- SMD solderable: Enables cost-efficient and highly reliable automated manufacturing

## How to Evaluate



SEK-SCD30 + SEK-SensorBridge



SEK-SCD4x + SEK-SensorBridge



Tutorial SCD4x SEK  
Tutorial Control Center

## Useful Links

### Basic Documents

- [SCD40 & SCD41 Datasheet](#)
- [SCD42 Datasheet](#)
- [SCD4x Design-In Guide](#)
- [SCD4x Handling Guide](#)
- [SCD30 Datasheet & Interface](#)

### Drivers & Tools

- [SCD4x Arduino Driver](#)
- [SCD4x Embedded Driver](#)
- [SCD4x Raspberry Pi Driver](#)
- [SCD30 Sample Code](#)

