

# ChipSensors

## *EPA/CGPP3 assistance to our Sensor R&D programme*

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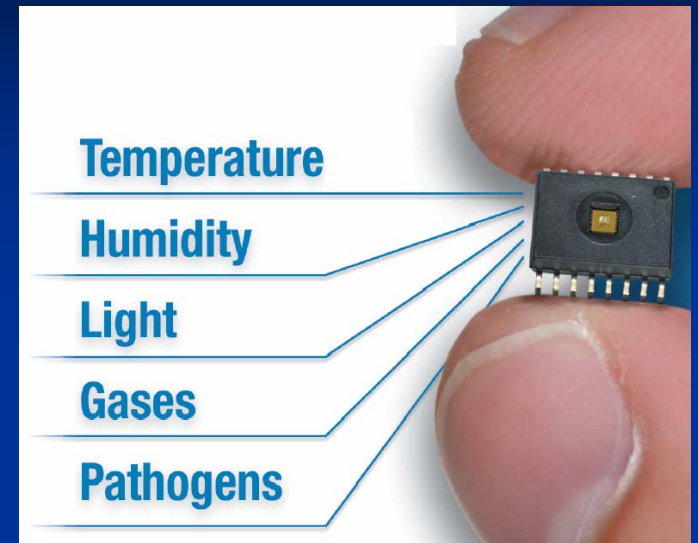
Plassey Technology Park, Limerick

(formerly Cratlon Ltd)

8<sup>th</sup> April 2008

# © Who we are and why we're here

- We are a Semiconductor Company developing fully integrated digital CMOS sensor chips
- To thank EPA/CGPP3 for €100K grant assistance on our 1<sup>st</sup> digital sensor chip: Temperature/Humidity to digital.



Irish Examiner



# Target Market Sizes

Top-Down:

- Active ID Tags: \$1B (2011), > 20% CAGR
  - Humidity Sensors: \$1B (2011), 12% CAGR
  - Heating/Ventilation/Energy-Saving - \$5B
  - Gas Detection: \$1.7B (2006)
  - BioSensors, \$0.8B (2006), > 20% CAGR
- 
- **Cheap wireless sensors will have a huge role in future energy saving & environmental monitoring**

Sources:

IDTechEx

F & S

F & S

Honeywell

Freedonia

# Technology & Differentiation

- Patents pending for novel use of 0.13 $\mu$ m CMOS process to produce fully integrated Sensors
- Prototypes Demo'd at RFID'07
- Industry Recognition:



Startup shows 'dielectric-as-sensor' technique for ICs  
Novel approach lets chip's surface sense temperature, humidity, gases  
[EE Times Europe](#) (09/18/2007)

"Silicon 60"  
nomination



# Thank you

*Questions ...?*

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