# Clairair Ltd

## Sensor People

## Clairair - The Company

Clairair was established at Little Braxted Hall in the autumn of 2006 to provide a truly independent source of sensor technology and sensor products to Original Equipment Manufacturers and sensor people worldwide. With over 30 years combined experience in sensors, spanning many sensing techniques, its mission statement is: *"To provide independent, professional and innovative solutions to sensor applications."*

**Clairair's Key Values Are:**

- **Independence • Experience**
- **Technology • Support • Quality**

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## Clairair - The Location

Clairair Limited is located in the heart of the Essex countryside with prestigious premises at Little Braxted Hall, adjacent to the extraordinary mediaeval church where Lawrence Washington, ancestor of George Washington, father of the United States, preached from 1643 until 1653. This tranquil setting is set in extensive lands and yet is just minutes from main travel routes.

**Conveniently Located:**

- **Close to the A12 trunk road, accessing London's M25 motorway**

- **Close to mainline rail services**

- **Central London and London's Stansted Airport are only 40 minutes away**

- **Peaceful creative setting**

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# Clairair Introduces CIRIUS

Clairair InfraRed IntUitive Sensors incorporate patent pending technology. Using a novel optical technique they offer high sensitivity to target gases whilst having an extremely small sensing volume. Housed in an industry standard 20mm diameter package they are available as "basic format" 7 pin sensors and "smart format" 3 pin sensors.

- **All metal construction**
  - **No plastic parts to deform over temperature**
  - **Self screening for enhanced RFI tolerance**
  - **Self heatsinking for temperature stability**

- **Small internal volume**
  - **Less than 0.25cc free internal volume**

- **Lightlocked**
  - **No stray light in or out**
  - **Immune to reflections from external surfaces**

- **Standard housing size**
  - **20mm diameter 16mm depth**

- **Basic format**
  - **Active, reference and temperature outputs**
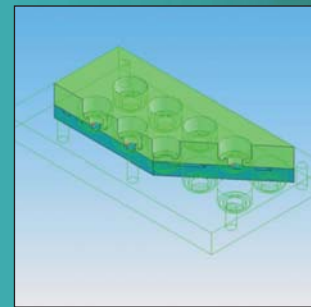
- **Smart format**
  - **Linear voltage output**

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# Clairair Products and Services

At Clairair we design and develop our own products. We also provide application and technical support to customers, assisting with sensor integration into their own products. In addition we can offer contract development work and consultancy to customers wishing to develop specific sensors. With many years experience in sensor techniques we can offer an unblinkered approach to solving sensor issues.

## Key Tools Include:

- **3D CAD mechanical design**

- **Analogue, digital and microprocessor based circuit design**

- **Multilayer PCB design**

- **Firmware development**

- **Rapid prototyping**

- **Test and qualification**

- **Design for manufacturing**