

SENSIRON THE SENSOR COMPANY

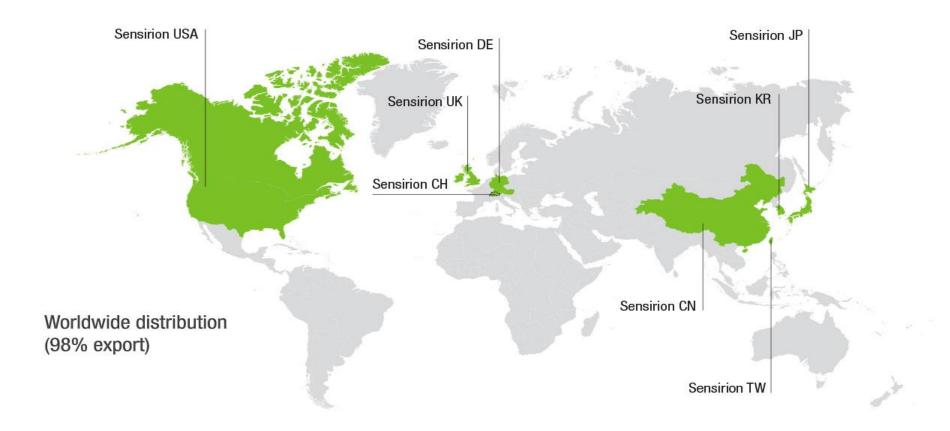
Sensirion – The Sensor Company

Andreas Brauchli Software Engineer

IDC 2016, Santa Clara



Facts & Figures



Products

Humidity and temperature sensors



Liquid flow sensors



Differential pressure sensors





Mass flow meters for gases



Mass flow controllers for gases



Multi-Pixel gas sensors



Humidity & Temperature

Leading thanks to the world's smallest digital humidity sensors



Automotive industry

Sensors for climate control in vehicles.



Appliances

Sensors for energy regulation in refrigerators and dryers.



Consumer electronics

Unlimited potential for the application of sensors in mobile devices.



SENSIRION makes your product FEEL!

We provide ambient sensing solutions.

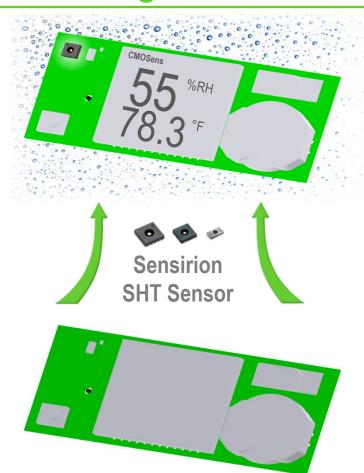
Countless successful applications in the field benefit from Sensirion's in-depth expertise and algorithms.





SHT Integration

SHT Sensor Solutions



We are experts in sensor integration.

Count on us for fast, smooth integration of your SHT sensor into any product.

Our application engineers love to make your new product feel humidity and temperature in the best possible way.



SHT Integration

SHT Sensor Solutions



The importance of a good integration.

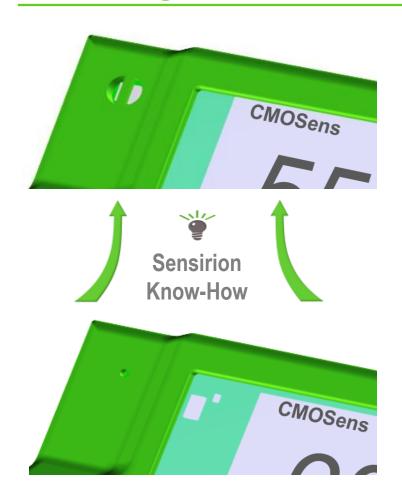
From experience we know how a good sensor integration makes *the* difference.

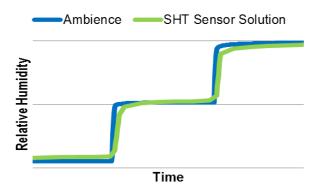
That's why we work closely together with our customers and achieve valuable yet low-cost SHT sensor solutions.



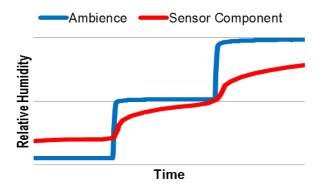
SHT Integration

SHT Sensor Solutions





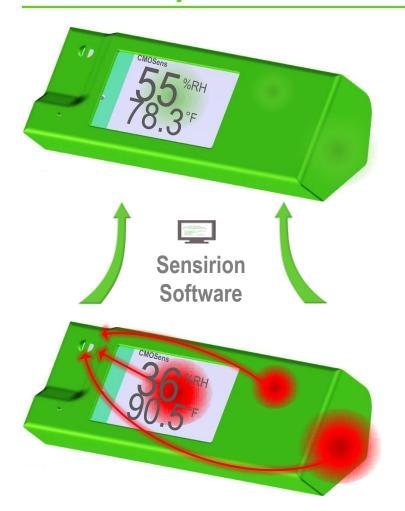
The importance of a good integration.





SHT Compensation

SHT Sensor Solutions



Accurate sensing with smart devices.

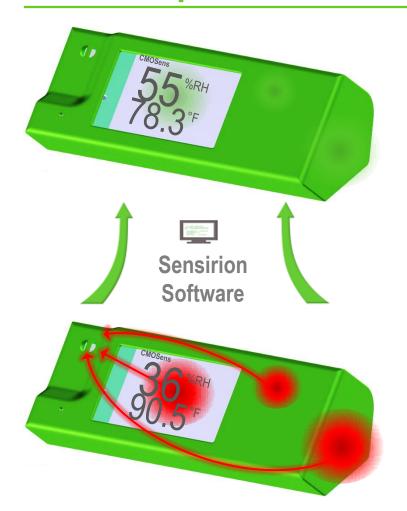
Smart devices often produce heat, which results in offsets when sensing ambient temperature and humidity.

We provide easy-to-integrate software, that compensates all relevant heat effects of your new product.



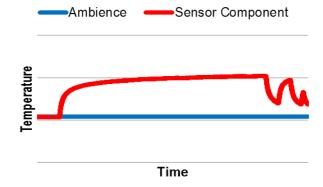
SHT Compensation

SHT Sensor Solutions



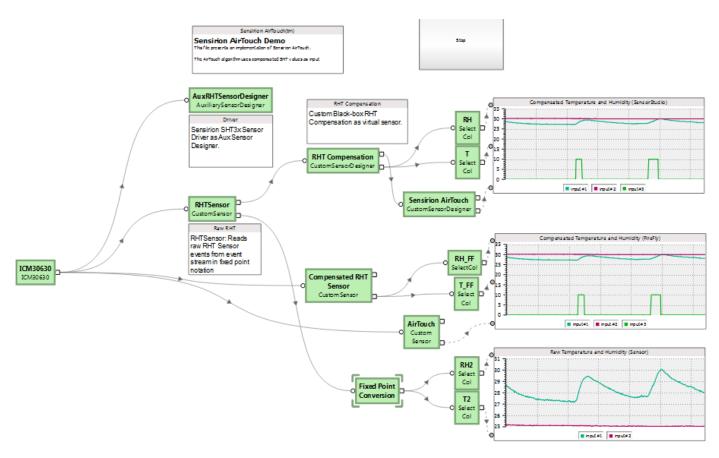


Accurate sensing with smart devices.





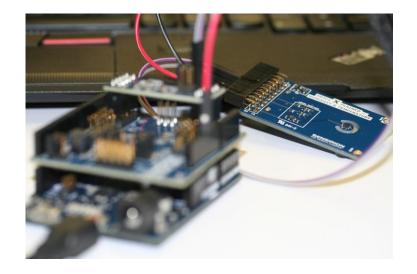
Sensor Studio Integration





Sensor Studio Integration

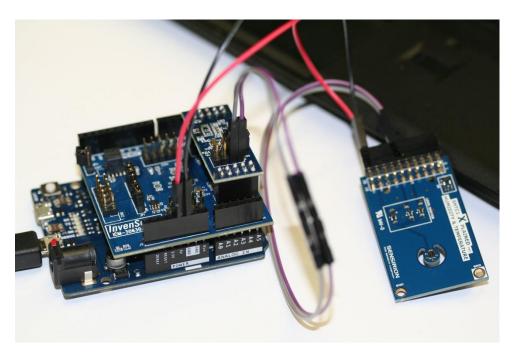
- Hardware Integration
- Driver Development and Testing
- SHT Compensation
- Application Development





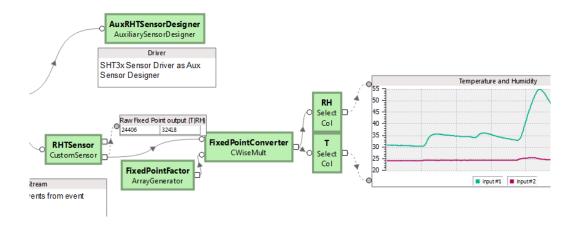
Hardware Integration: Add Sensor to FireFly

- Consult FireFly hardware documentation
- Wire up



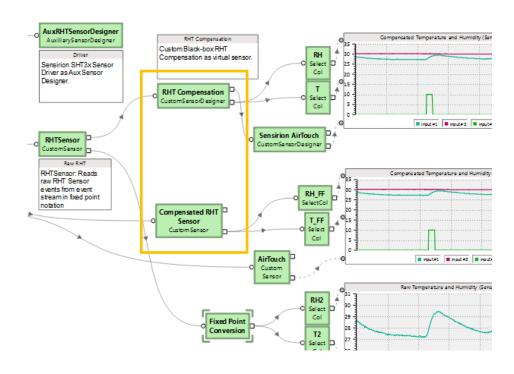
Driver Development and Testing

- Generic driver adapted for FireFly
- Sensor output visualization



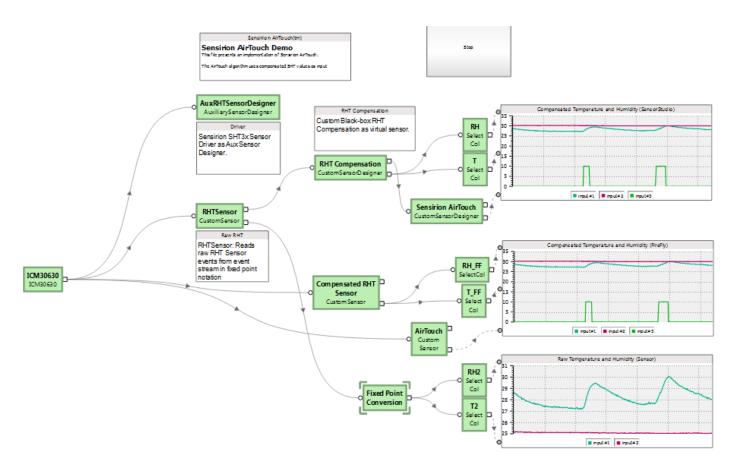
SHT Compensation

- Chained and virtual sensor concept
- Source code integration





Demo



Application Development

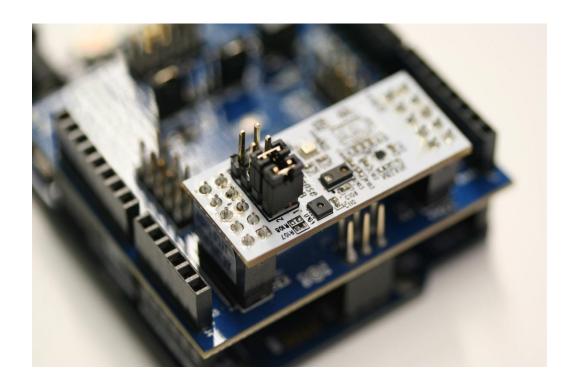
Weather station - Ambient temperature

Context change detection

On/Off body detection

AirTouch™

. . .



Opportunities

SensorStudio and our development process

- Software development
- Continuous integration
- Customer projects



Thank you for your attention!

For more information, please visit our website on www.sensirion.com

