



First-Response and Hazmat

N5's Sensor platform solves many of the challenges first responders' face:

Gas Selectivity through design leads to reduced false positives.

Fast responding sensors improve safety by alerting crews to explosive or toxic hazards sooner.

Multiple gas detection systems are combined in a single chip – a low power, efficient solution.

Detection Capabilities

Hydrogen Sulfide (H₂S)
Carbon Monoxide (CO)
Methane (CH₄)
Hydrogen (H₂)
Nitrogen Dioxide (NO₂)
Sulfur Dioxide (SO₂)
Volatile Organic Compounds (VOCs)
Hydrogen Chloride (HCl)
Chlorine (Cl₂)
Ammonia (NH₃)
Hydrogen Cyanide (HCN)

...all in a single package!

Next-Generation Hazardous and Toxic Gas Detectors

N5's chip-scale gas and chemical detection technology can be leveraged to develop ultra-compact, low power, reliable gas detectors.

Current gas detection systems for first responders are heavy, prone to error, and expensive. N5's sensor chip technology overcomes these challenges enabling reliable and efficient systems.



First-Responder Benefits

Improved Reliability – Low false-positive rates due to increased specificity and better detection algorithms.

Reduced Size and Weight – Chip-scale sensors can be used in a “body-worn” device no bigger than a deck of cards.

Low Cost – Enable cost effective sensor networks and increased detector deployment.

Multi-Gas Capability – Toxic, Flammable and Corrosive Gas Detection is combined in a single package.

