

# Measuring Gas Concentrations In Hostile Environments with Solid-State Sensors

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## Abstract

CISM's mission is to develop new sensors for industrial sensing application in hostile environments and, through technology transfer and education, increase competitiveness of member companies, enhance the training level of practicing and future engineers in the multi-disciplinary field of sensor development and application.

CISM research has led to five patents and the establishment of two new companies, SensIrOx and ChipRx. SensIrOx is developing a ceramic-based pH sensor, and ChipRx is working on a chip-based analytical lab. CISM is seeking industrial partners to develop its innovative NOx, CO and O2 sensors into viable products for automotive, power generation, and environmental monitoring applications.