

## Types of Sensing

- **Specifications.** For each choice of quantum sensor, provide a short description and a potential application for smart city design.
- **Description.** In this activity we have focused on using NV centers to detect changes in atmospheric pressure. However, this is only one of many emerging quantum sensing technologies. Your goal is to learn about three different types of quantum sensors from the following list.
  - Chemical Sensors
  - Quantum Clocks
  - Gravimeters
  - Quantum Imaging
  - Interferometers
  - Magnetometers
  - Thermometers

You can learn more about each option from this article. Note that interferometers are a challenging topic, and may require additional reading.

- **Submission.** A list describing three different types of quantum sensors.