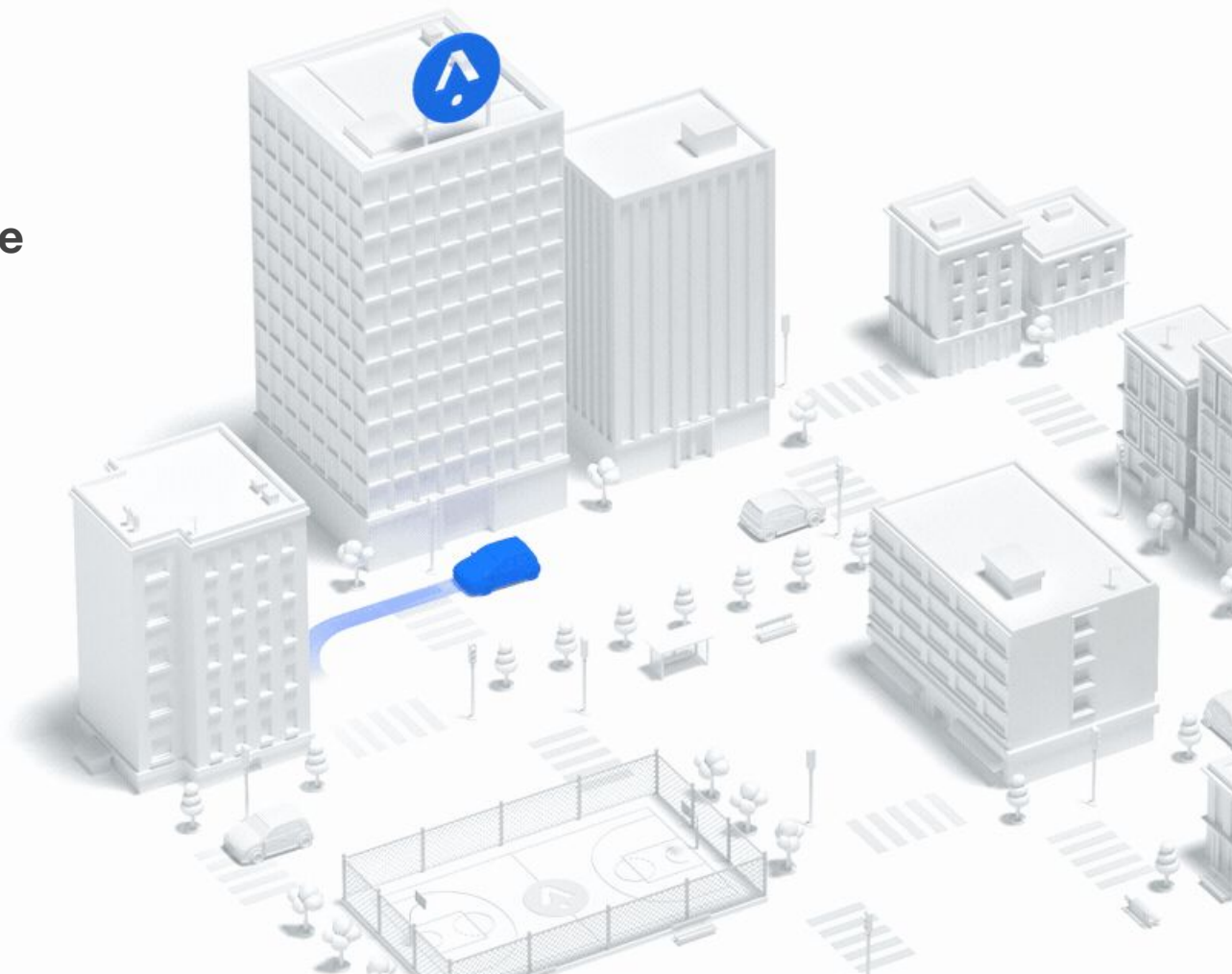




February 2020

Spectral Training Guide



Agenda

1. Run a simulation
2. Create scenarios
3. Additional capabilities
4. Spectral



1

Set up Spectral

2

**Run a sensor
simulation**

3

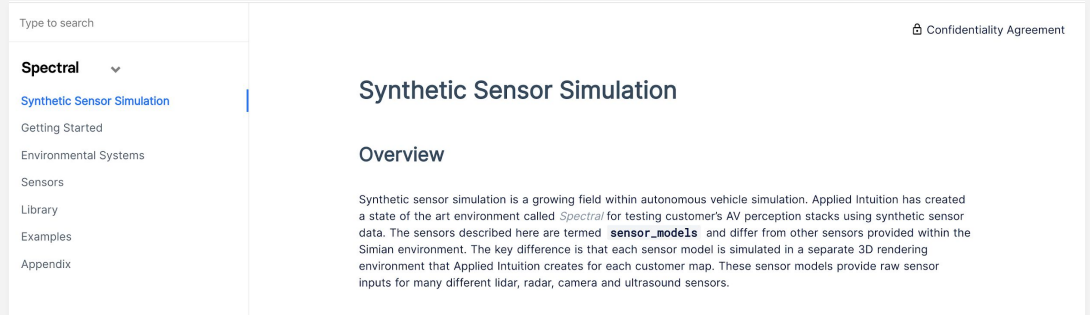
**Configure
environmental
conditions**

Set up Spectral

Documentation

Documentation is available online.

Keep the documentation handy, this will be helpful during the hands-on exercises.



The screenshot shows a web interface for Spectral documentation. On the left is a navigation sidebar with a search bar labeled 'Type to search'. Below the search bar, the 'Spectral' logo is followed by a dropdown arrow. The sidebar menu includes: 'Synthetic Sensor Simulation' (highlighted with a blue bar), 'Getting Started', 'Environmental Systems', 'Sensors', 'Library', 'Examples', and 'Appendix'. In the top right corner of the main content area, there is a 'Confidentiality Agreement' link with a padlock icon. The main content area features the title 'Synthetic Sensor Simulation' and a sub-section 'Overview'. The overview text states: 'Synthetic sensor simulation is a growing field within autonomous vehicle simulation. Applied Intuition has created a state of the art environment called *Spectral* for testing customer's AV perception stacks using synthetic sensor data. The sensors described here are termed **sensor_models** and differ from other sensors provided within the Simian environment. The key difference is that each sensor model is simulated in a separate 3D rendering environment that Applied Intuition creates for each customer map. These sensor models provide raw sensor inputs for many different lidar, radar, camera and ultrasound sensors.'

Spectral documentation is available as HTML