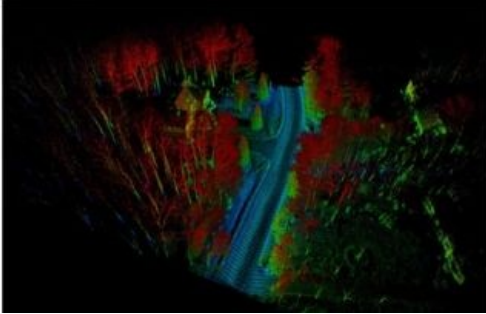


# New Lidar Approach in Europe



The invention of the Velodyne HDL-64 High Definition Lidar sensor, using 64 lasers contained within a fast-spinning unit to create a true three-dimensional terrain map, is a new approach in the field of lidar technology.

Using the HDL-64 Lidar mobile sensor, a corridor of 220m can be mapped in great detail, as the unit collects over 1.3 million points per second. Each laser is individually calibrated in the factory prior to the unit being shipped to ensure that it achieves the highest degree of accuracy.

Since its successful utilisation by five of the six autonomous vehicles to complete the world-renowned DARPA Urban Challenge in 2007, the HDL-64 Lidar sensor has had an uptake worldwide - and not just within the robotics industry.

The technology of the HDL-64 Lidar sensor is responsible for the imagery in Radiohead's music video promo for House of Cards. Meanwhile, car manufacturers are employing the technology to progress automated vehicle and collision avoidance research.

The HDL-64 Lidar sensor has also been chosen by US road inspection companies to complement existing road mapping technology. Other sectors that have expressed an interest in the potential of the HDL-64 Lidar sensor technology include the video games and animation industries.