

PORTLAND INTERNATIONAL AIRPORT

Portland, OR

In 2005, Portland International Airport became one of the first US airports to install a single-space automated parking guidance system (APGS). The airport installed an ultrasonic PGS to monitor approximately 2,700 parking spaces for the 7-level P1 Parking Garage providing hourly and daily parking for travelers. The legacy system recently reached the end of its life expectancy, and the Port of Portland selected a team led by 20/20 and including Lumin Advisors and Aberdeen Management Group to design a new APGS, as well as lead the procurement process including preparation of RFP documents and proposal review and recommendations.

Prior to engaging consultants, the Port went through a Request for Information process to evaluate what new features and technology improvements are currently available in the APGS industry. Following engagement, the team evaluated RFI responses and conducted market research with APGS suppliers. The team then presented the research results to the Port, and developed a list of desired features and technologies to serve as the basis of design.

The new system design is centered on camera-based technology that will allow the Port to provide enhanced customer service features, such as lost vehicle location, as well as to reduce their manual labor to perform a nightly license plate inventory in the garage. The team developed functional specifications for the APGS, technical specifications for electrical and communication improvements, and schematic drawings of the APGS signage locations and parking zones for each floor of the garage. The RFP for the new APGS is currently on the street with selection anticipated for August 2017.

