RALEIGH-DURHAM INTERNATIONAL AIRPORT
Raleigh, NC

Raleigh-Durham International Airport operates approximately 22,000 parking spaces including four parking decks and six surface lots. RDU selected a team comprised of Lumin Advisors and 20/20 to evaluate their existing parking access and revenue control system (PARCS), conduct a technology assessment, deliver recommendations for improvements, and estimate the costs to implement the recommendations. The evaluation resulted in a recommendation to replace the existing PARCS with a new, state-of-the-art system.

Following the evaluation phase, RDU engaged Lumin and 20/20 for a second phase to develop functional specifications for the new system, and assist with the procurement and selection process. The airport selected Sentry Control Systems to implement a SKIDATA PARCS. The new system includes frictionless entry and exit via LPR, parking reservations provided by ADVAM, QR code readers, cash and credit card pay-on-foot stations, automated exit lanes, P2PE EMV/NFC credit card processing, VoIP intercom, employee parking, AVI, proximity card access, and LED dynamic message signage.

Lumin and 20/20 were recently engaged to begin a third phase consisting of construction oversight, technical design review and acceptance testing. Acceptance testing consists of a Factory Acceptance Test followed by a proof of concept installation in RDU's Park Economy 4 surface lot. The proof of concept will entail full Lane Acceptance Tests on all lanes in the facility. Following approval, Sentry will move forward with the installation of all other facilities. Lane Acceptance Tests will be conducted on all lanes followed by Site Acceptance Tests at each facility, an overall Operational Acceptance Test of the complete system and Final System Acceptance upon the resolution of all punch list items.