



Case Studies - Projects

// Location: **Stockholm Skavsta International Airport**

- Project:**
- New PLC based control system and ILS
 - Complete CAT I AGL design and installation

Contract: Stockholm Skavsta International is the second biggest airport in Stockholm and the fourth largest in Sweden. It primarily serves cargo operators and low-cost airlines, with Europe's largest low-cost carrier Ryanair, using Skavsta as one of its hubs.

The project was for the design and build of a complete replacement airfield ground lighting installation including approach, runway, taxiway and apron lighting designed for CAT I operation.

The AGL circuit prior to commencement was cabled in parallel, and whilst the new installation was being installed, this arrangement was maintained with the final changeover to a series circuit commencing towards the end of the project.



As part of the upgrade a PLC based AGL control system using a hard wired mimic was designed and installed at the airfield. This system was based around the [Sonnis](#) system employing programmable databases to configure the functionality of the system, utilising profibus protocols over a fibre optic network to communicate with the remote equipment.

The installation also included for the design, build, test and commissioning of a new [Instrument Landing System](#) (ILS) complete with glide path antenna, middle, outer markers and identification beacon.

¹² <http://www.atgairports.com/>

