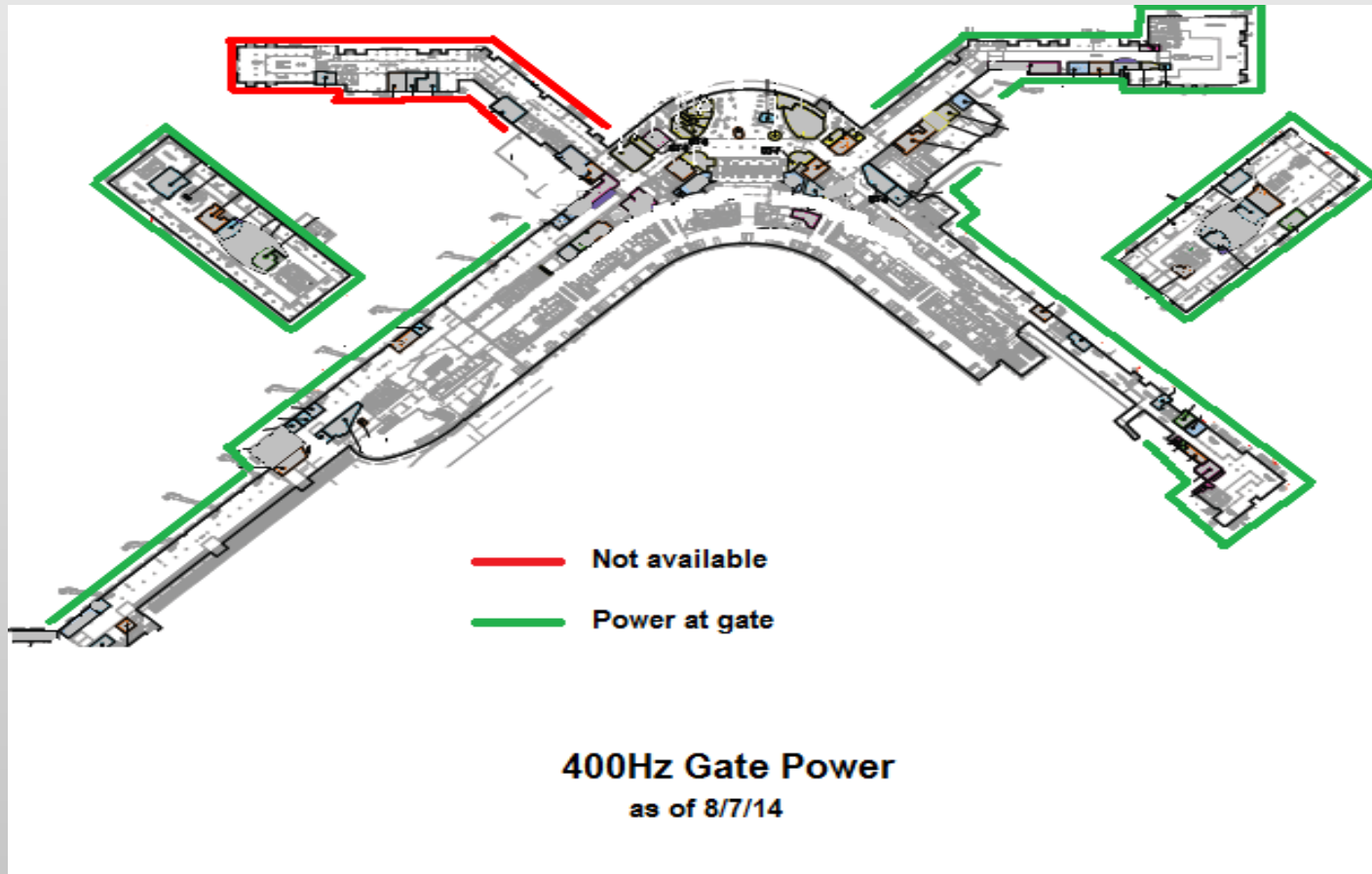


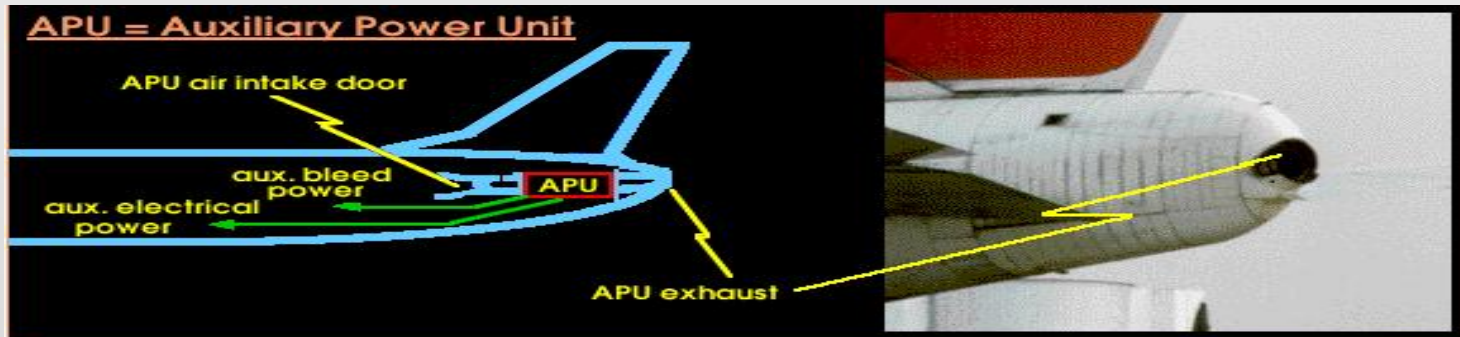
B Concourse 400Hz Gate Improvements Project

CIP C800019

Final Phase of 400Hz Gate Improvements Project



400Hz Power From Onboard APU

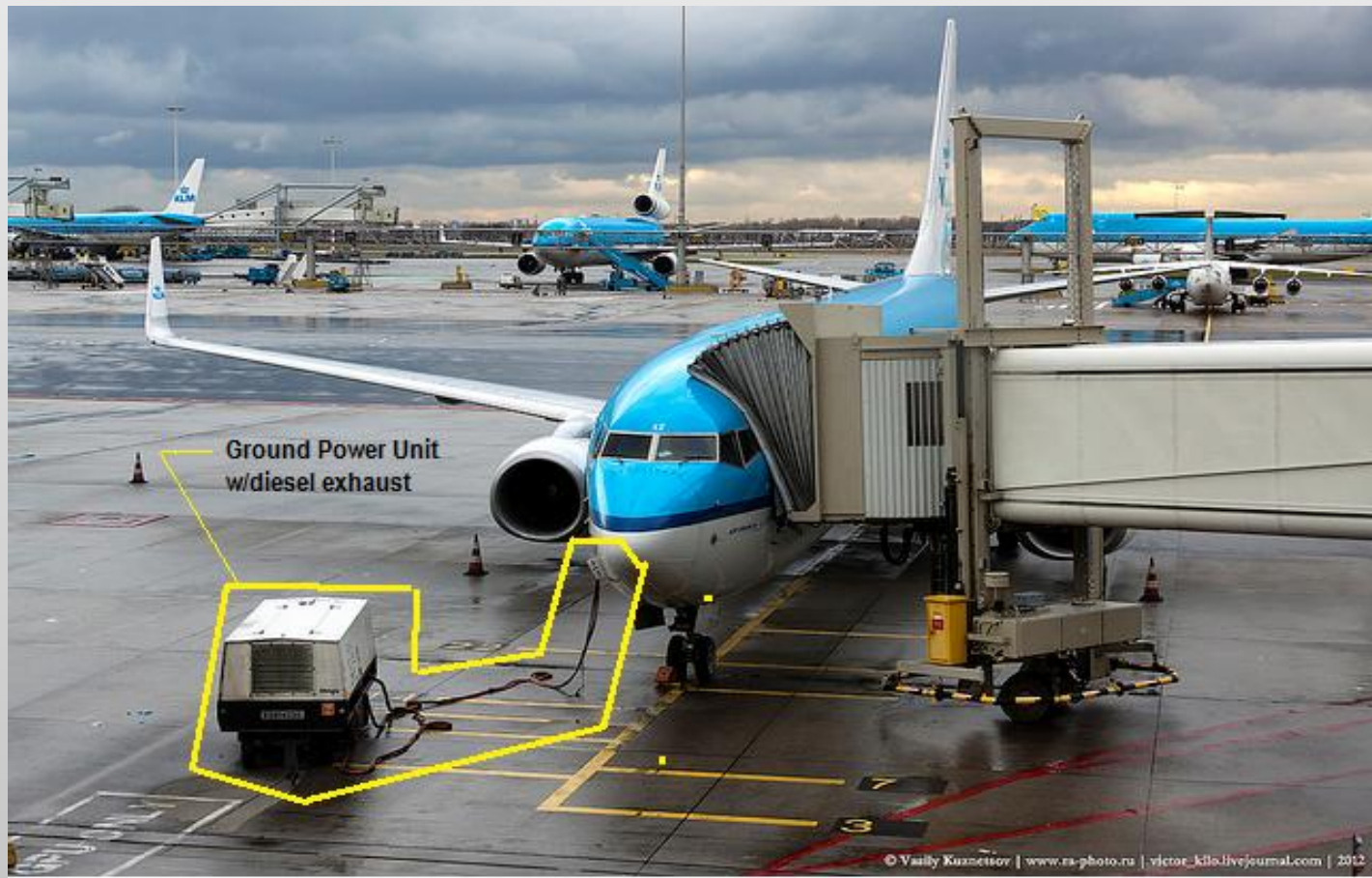


Auxiliary Power Unit inside the aircraft



Auxiliary Power Unit outside the aircraft

400Hz Power From Diesel Ground Power Unit



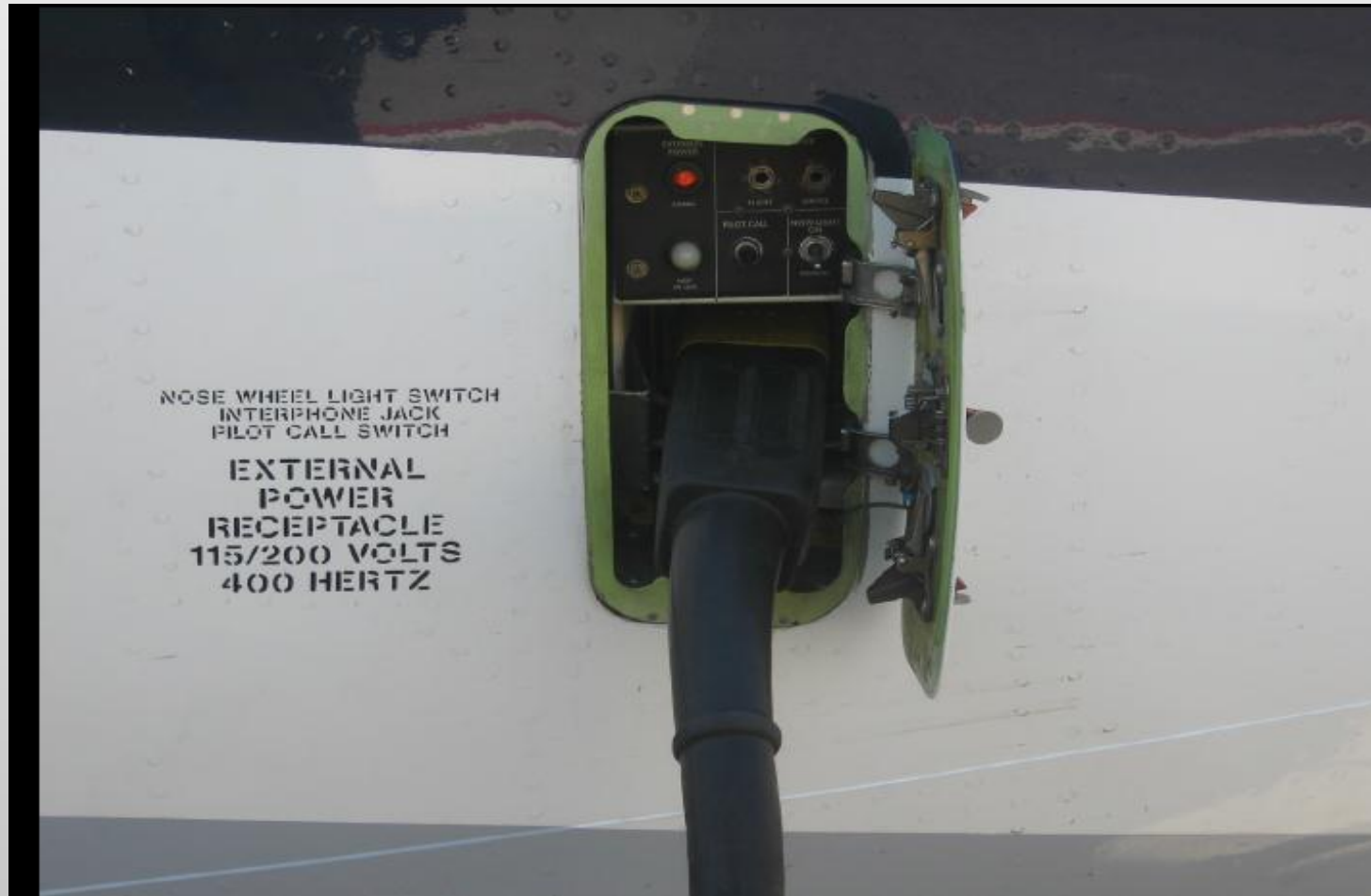
400Hz Aircraft Power via Motor Generator



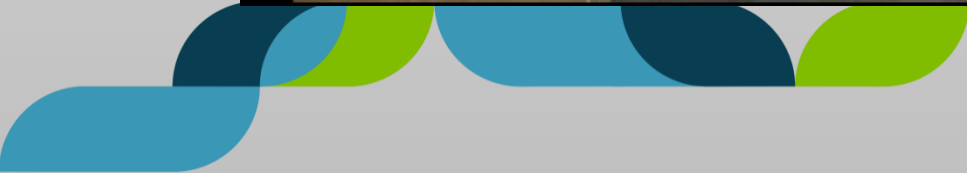
Gate power connection to building electrical w/o any exhaust pollution



Single Stinger to Aircraft



400Hz Motor Generator



Project Synopsis

- This project will install a 400Hz ground power system consisting of two motor generators, gate boxes, stingers and other equipment to all 13 gates on the B Concourse.
- No incremental costs to the airlines - airlines pay the same lease rate regardless of the amenities provided at the gates.
- The B Concourse gates at SEATAC do not provide an equivalent level of service to the airlines as all the other airport gates.



What has changed

- Project was 100% designed in 2011, since that time gates B1 and B4 have been added to the B Concourse
- The PC air project has been completed on the B Concourse.
- The airlines and aircraft electrical load requirements have changed
- The National Electrical Codes have changed.
- The B Concourse 400Hz system design was deferred given that we did not know what airlines and aircraft types would be using B Concourse.



Project Schedule

- Acquisition planning Nov 2014
- Commission approval Dec 2014
- Design start Jan 2015
- Design complete June 2015



What this project will deliver to the B Concourse

