

# CASE STUDY

## CONSTRUCTION SITE

Obstruction Lighting Solutions

*Zürich International Airport, Switzerland*



**Avlite**<sup>®</sup>  
[www.avlite.com](http://www.avlite.com)



Avlite Systems is an international designer & manufacturer of complete aviation lighting systems; airfield, heli & obstruction

We believe technology improves navigation™

# Project Overview

## Application:

Obstruction & Barricade Lighting

## Product:

Solar AV-C310 ICAO Type A LIOL,  
AC-DC AV-OL-ILAB ICAO Type A & B LIOL

## Location:

Zürich International Airport,  
Zürich, Switzerland

## Site:

Various locations around the airport

## Owners:

Flughafen Zürich AG

## Date:

November 2014



## Flughafen Zürich AG operator of Switzerland – Zürich Airport has selected Avlite Systems to supply airfield Obstruction Lighting

### Background

Zürich Airport also known as Zürich Kloten Airport, is the largest international airport of Switzerland and the principal hub of Swiss International Air Lines. It serves Zürich, Switzerland's largest city and is located 13 kilometres (8 miles) north of central Zürich.

Zürich Airport airfield maintenance team launched a program to replace its existing obstruction lighting. After careful examination of various obstruction lights from numerous manufactures they selected Avlite Systems to provide their new Obstruction Lighting

### The Solution

Zürich Airport Airfields Maintenance Division, needed a solution to provide Obstruction Lighting to construction sites around the airport and temporary obstruction lighting for barricades, Zürich Airport worked closely with Avlite's Distributor Interwind AG, from Switzerland to supply the AV-310's as a type A and the AV-OL as either Type A or B.

## Benefits

- Dusk to Dawn light sensor for automatic day/night operation
- Alarm contact for enhanced monitoring
- Avlite's solar solution is low cost, low maintenance and is quick and easy to install
- Robust long-lasting, tested in the harshest environmental conditions
- LED technology reduces maintenance time and costs







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We have 190 Avlite lights at Zürich Airport, which we are using for obstruction and barricade lighting. The 20 solar powered AVC-310s are used at locations, where we must quickly mark obstructions and construction sites or it's not possible to lay cables. We use the ICAO Low Intensity Type A & B lights both for temporary and permanent installations. We also lend these to construction companies to mark cranes.

We selected these compact and lightweight lights with up-to-date single LED technology because we can deploy them as Type A or Type B lights, for steady-on or only night operation and they are available with combined red-infrared LEDs. The good price performance ratio and pleasing design are additional advantages..

- Mr Ralph Hoogeveen  
Head Electrical  
Airfield Maintenance  
Zürich Airport AG



All Avlite Systems products are manufactured to exacting standards under strict quality control procedures. Avlite's commitment to research and development, investing in modern equipment and advanced manufacturing procedures has made us an industry leader in solar aviation lighting.

By choosing Avlite Systems you can rest assured you have chosen the very best.

**Experienced & Trained Personnel**

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**Worldwide Distribution Team**

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**Agile Manufacturing**

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**Product Innovation**

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**Precision Construction**

•  
**Total Quality Management**

•  
**ISO9001:2008**

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**Rapid Turnaround**



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