

# Airborne Laserscanning & Orthophoto

## New laser data and aerial images of Canton Zurich



📍 Canton Zurich, Switzerland  
👤 Baudirektion Kanton Zürich  
🕒 Jan - Nov 2014  
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### Expertise

3D Mapping

In 2014, in the scope of the “Luftaufnahmen 42” (*aerial mapping 42*) project, BSF Swissphoto was contracted to carry out the laser- and photographic data acquisition for the entire canton of Zurich. The laser data acquisition took place in march-april 2014 on 19 flight days, covering 1800km<sup>2</sup> at 8 pts/m<sup>2</sup>. Digital terrain and surface models were derived from the acquired point clouds.

A total of 44 flight hours were necessary to acquire the aerial imagery. Flights took place on 5 days in 2014 and 4 days in 2015. 37'400 images were captured with an Ultracam Xp sensor and merged to a 10cm digital orthophoto-mosaic.