



Présentation de TOPOSAT

Presentation of TOPOSAT

Bertrand BOULLARD
Director of TOPOSAT

TopoSat GNSS surveying company

Exposé présenté par Bertrand BOULLARD
TopoSat® - www.toposat.com

© - Copyright Bertrand Boullard - Décembre 2016

Document protégé par la législation internationale sur les droits d'auteur et en France par les articles L111-1 et L121-3 du code de la propriété intellectuelle.

Ce document vous a été remis sous forme imprimée ou numérique dans le cadre d'une formation effectuée au sein de votre entreprise. Vous n'êtes pas autorisés à le copier, le reproduire ou le diffuser, sous quelque forme que cela soit et y compris au bénéfice d'autres collaborateurs de votre entreprise, sans autorisation formelle de l'auteur.

Over 25 years of field survey around the world

- Formed in 1990 by qualified Surveying Engineer Bertrand BOULLARD - a graduate of the prestigious French ESTP school - TopoSat® provides services focusing on the use of **GPS/GNSS** positioning techniques.
- Thanks to its lightweight structure, TopoSat® offers fast and flexible responses to all requests in its scope of expertise. We can also call on our informal partner network in France and various countries worldwide for support in case of large requirements in terms of personnel or equipment.
- We operate throughout France and in the World.

GPS/GNSS jobs

- Our core expertise lies in surveying and stake-out services using **GPS/GNSS** for farmers, design offices, civil engineering and utility companies, registered surveyors and topographers, photogrammetrists, administrations and public services.
- TopoSat® is one of France's oldest and most experienced companies in these specialist fields

Training

- TopoSat® is also a training organization registered with the Ile de France Vocational Training Agency and stages in-house training courses on request.

Surveying Engineering

- Surveying is our core business. We are familiar with both old and new techniques, possibilities and limitations, implementation times and costs. TopoSat® offers its lengthy experience to customers who need to tackle surveying but do not really feel confident about it.
- We are experienced in the installation of **GPS/GNSS** networks (public and private), as well as sizing and deployment.

Aerial and Satellite Imaging

- We take part in imaging campaigns by supplying the ground control and checkpoints required for image creation within a given geodetic system.
- We supply finished products (from orthophoto maps to DTMs) tailored to your requirements, in conjunction with our trusted partners.
- We also produce orthophoto maps and DTMs directly in certain cases.

Archived Ground Control Point (GCP) Data Set

- We have at our disposal more than 2400 recent GCPs (450 areas) **available for sale asset**
- They are located mainly around major international airports and spread over 90 countries and 4 continents
- They can be seen on a interactive map (<http://gcp.toposat.com>) or by [downloading a global kmz file](#) (with links to logsheets).

Archived Ground Control Point (GCP) Data Set



- Points are usually computed in ETRF2000 for Europe and ITRF2008 (measurement epoch) outside, however, they can be transformed to other datum.

TOPOSAT Descriptive logsheet EIDW15-01

Country:	IRL: IRE	DATA : IRL	ICAO : EIDW
City/Town:	DUBLIN	Survey date:	22-Aug-15
Epoch:	2000.00	Geoid:	EGM96
Topo date:	10/10/2014	Local datum:	IRL 83/4
Projected coordinates		Geographical coordinates	
Zone (m):	1981 MGRS	Latitude:	53° 47' 31.49" N
North (m):	5 940 917.154	Longitude:	6° 07' 21.125" W
Elevation - MSL (m):	21.865	Ellipsoid height - IGLD (m):	78.638
Horizontal Accuracy (m):	2.15	Vertical Accuracy (m):	2.15

Note: the accuracy refers to the GNSS computation. The physical definition of the GCP may be less accurate.







Toposat - 12 Avenue Léon Ganneville, 92101 MONTROUGE (France)
Email: toposat@toposat.fr Web: www.toposat.fr
GNSS measurements - selfless and training courses

TOPOSAT GCP pictures EIDW15-01

Country:	Ireland	DUBLIN	IATA : DUB	ICAO : EIDW	Survey date:	22-Aug-15
----------	---------	--------	------------	-------------	--------------	-----------

To the North



To the East



To the South



To the West

