drone-spot

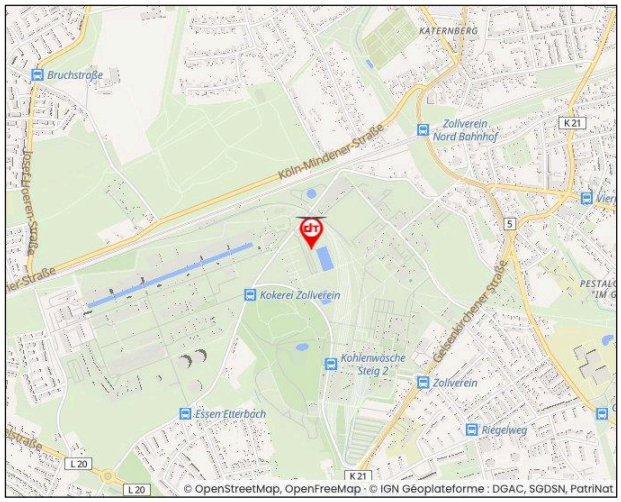
FLIGHT CARD

Generated on 25 November 2026

Zollverein

Heritage · Germany

GPS coordinates	51.49009, 7.04103
Elevation	50 m
Maximum height	120 m max
Access	Direct access by car
Nearest aerodrome	Essen Mülheim Airport (EDLE) 12 km SW · spot 79 m lower
Spot reference	303105



Spot location and restrictions (Drone-Spot map image)

Sun (local times, UTC+01:00)

Day	Dawn	Sunrise	Sunset	Dusk	Day length	Golden hour
Wed 25 Nov	07:28	08:06	16:31	17:10	8 h 25	08:06–09:03 · 15:35–16:31
Thu 26 Nov	07:29	08:08	16:30	17:09	8 h 22	08:08–09:05 · 15:33–16:30
Fri 27 Nov	07:31	08:09	16:30	17:08	8 h 20	08:09–09:07 · 15:32–16:30

Nearby aerodromes

Aerodrome	Type	Distance	Elevation
Essen Mülheim Airport	Aerodrome	12 km SW	129 m
Dinslaken/Schwarze Heide Airport	Aerodrome	19 km NW	66 m
Marl-Loemühle Airfield	Aerodrome	19 km NE	73 m
Dorsten Airfield	Aerodrome	20 km N	33 m

Description

The Zollverein Coal Mine Industrial Complex is an industrial site located in the city of Essen, in the Ruhr urban area in North Rhine-Westphalia, Germany. The site was inscribed on the UNESCO World Heritage List on 14 December 2001 . The first coal mine was founded in 1847 and the first mining operations began in 1851. They lasted until December 23, 1986. For decades until the 1950s, the two parts of the site, the Zollverein coal mine and the Zollverein coking plant (erected between 1957 and 1961 and closed on 30 June 1993), were among the largest of their kind in Europe. Shaft 12, erected in the Bauhaus style, was opened in 1932 and is considered a technical and architectural achievement that has earned it the reputation of being "the most beautiful coal mine in the world".

Scan to open the up-to-date spot page: weather, map and restrictions.

https://www.drone-spot.tech/en/fiche-spot.aspx?id=303105

Before every flight: check the UAS zones map, NOTAMs and temporary areas, the weather and the Kp index.

Preparing the flight

Pre-flight Check-List

- ☐ Area checked: UAS zones, restrictions, protected areas
- ☐ NOTAMs and temporary areas checked
- ☐ Weather: wind, gusts, rain, visibility; Kp index
- ☐ Operator number displayed on the drone
- ☐ Training certificate or licence with me
- ☐ Third-party liability insurance checked
- ☐ Batteries charged: drone, controller, phone
- ☐ Propellers, motors and frame in good condition
- ☐ Memory card inserted and empty
- ☐ Software up to date, compass and IMU calibrated
- ☐ Return to home: home point and return height set
- ☐ Electronic signalling or remote ID active
- ☐ Take-off area clear, people informed and at a distance
- ☐ Observer present for FPV flights

Key rules of the open category

This country applies the European drone rules (open category); it may add its own zones and conditions.

- Maximum height: 120 m above the ground, lower where a restriction requires it.
- Always keep the drone in sight; when flying FPV, an observer keeps it in sight next to you.
- Never fly over crowds and keep the distances of your subcategory (A1, A2 or A3).
- Respect UAS geographical zones: around aerodromes, prohibited or restricted areas, protected areas, sensitive sites.
- Register as an operator if the drone weighs 250 g or more or carries a camera (toys excepted), and display the number on the drone.
- Training: online A1/A3 certificate from 250 g or for a class C1 drone; A2 certificate to fly closer to people with a class C2 drone.
- Always give way to manned aircraft and land if one approaches.
- Respect privacy: no images that identify people without their consent; aerial photography is prohibited in some areas.
- Check your third-party liability insurance.

Non-exhaustive summary: rules change. Reference: the DGAC open-category guide and the country's regulations.

Useful links

UAS zones map around the spot : https://www.drone-spot.tech/en/carte-uas.aspx?lat=51.49009&lon=7.04103
Drone pilot library : https://www.drone-spot.tech/en/bibliotheque

My flight notes

Information sheet generated by Drone-Spot from community data: it replaces neither official aeronautical information nor the regulations. The remote pilot remains responsible for the flight.