

Japanese knotweed/ JD-25-02 Gent (BE)

Context & Project Description

Demonstration project for North Sea Port in the port of Ghent. Due to the presence of a large number of utility lines, part of the project was carried out in situ and part was excavated and wrapped. This project also involved testing the impact of thermal treatment on electricity and telecommunications cables in collaboration with Fluvius and Proximus.

Equipment

The project was carried out in 1 batch: surface of 98m² with 66 hot screws

Treatment target

The treatment target was a minimum of 50°C for 3 days.

Monitoring

The zone was monitored with thermocouples at 1.5 m, 1 m, and 0.5 m depth and with a handheld thermometer just below the surface at 15 measuring points.

Planning

The treatment was carried out over 14 days at the end of May and beginning of June 2025.

Conclusion

The treatment was successfully carried out and the site will now be monitored by North Sea Port for another two years.



Key words

Contaminants
Japanese knotweed

Surface
98m²

Volume
147m³

Tonnage
265 T

Number of Hot Screws
66 Hot Screws

Temperature Target
Minimum 50°C

Heating Duration
14 days

Location
Gent

Future use
Industrial estate

Client
North Sea Port Gent

Partner
/

Consultant
/

Date
2025