

Harbour decontamination

Case Study



Belgian dredging contractor Dredging International (via joint venture EDI), was first supplied a pcX-3D system for a harbour decontamination project in Castletownbere, Ireland. The company has subsequently gone on to be the largest user of the highly advanced pcX-3D

The entire €9.5m project involved the dredging of approximately 95,000m³ of sediment and the blasting of 15,000m³ of rock.

pcX-3D was deployed because the dredging works were complicated by the presence of the now banned anti fouling agent Tributyltin (TBT). Over 34,000m³ of sediment was contaminated by TBT from depths of 750mm to 2,000mm.

pcX-30 was installed on a long reach CAT375 fitted with an EGO bucket, and when combined with RTK GPS was capable of achieving theoretical accuracies of better than 50mm.

Who

Dredging International

Summary

The pcX-3D machine guidance system uses precision sensors to monitor the position of the bucket or blade to give precise digging control.

Services provided

- Unique graphic handling capabilities mean users can create almost any shape they can design

Benefits delivered

- Right first time task completion, no need to rework
- Up to 90% reduction in the cost of staking out job sites
- pcX-3D's speed of response, which removes lag and phasing issues between the machinery and the screen, optimising system accuracy

