

# James Harrison

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## PROFESSIONAL SUMMARY

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Senior Dismantling Engineer with over 12 years of experience planning the deconstruction of large-scale industrial facilities. Proven track record of reducing project timelines by 15% through optimised sequencing while maintaining a zero-incident safety record. Expert in hazardous material remediation and asset recovery strategies for FTSE 100 manufacturing clients.

## WORK EXPERIENCE

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### Senior Dismantling Engineer | Keltbray Decommissioning | London, UK

May 2018 - Present

- Managed a £10M decommissioning project for an offshore gas platform, finishing 10% under budget through strategic asset liquidation.
- Developed proprietary deconstruction sequencing software that improved onsite operational efficiency by 18%.
- Supervise a team of 4 junior engineers and 40 field technicians, ensuring 100% compliance with HSE and CDM 2015 regulations.
- Negotiated scrap metal contracts that increased project revenue by £650,000 via direct-to-mill partnerships.
- Conducted over 50 detailed structural surveys for high-risk manufacturing sites across the North West and Midlands.

### Project Planning Engineer | Erith Group | Dartford, UK

Aug 2013 - Apr 2018

- Spearheaded the dismantling of a 45,000 sq. m. automotive assembly plant, recovering 95% of structural steel for reuse.
- Reduced hazardous waste disposal costs by £95,000 by implementing an on-site soil remediation system.
- Created comprehensive 3D deconstruction simulations using BIM to identify potential structural collapse risks before work began.
- Successfully maintained a zero Lost Time Incident (LTI) record over 250,000 total man-hours.
- Facilitated weekly safety briefings and technical training sessions for multi-craft demolition crews.

### Junior Field Engineer | WSP Structural | Leeds, UK

Jun 2010 - Jul 2013

- Assisted in the planning of 15 commercial building dismantling projects in dense urban environments.
- Provided daily onsite monitoring of vibration and noise levels to ensure compliance with local authority ordinances.
- Drafted detailed technical reports and site maps for senior engineers using AutoCAD.
- Verified the isolation of all utilities and hazardous energy sources before deconstruction activities commenced.

## EDUCATION

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### University of Manchester | Master of Science | Structural Engineering

Sept 2008 - May 2010

### University of Sheffield | Bachelor of Engineering (Hons) | Civil Engineering

Sept 2004 - May 2008

## SKILLS

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Structural Analysis, AutoCAD & BIM Modelling, Resource Recovery Planning, Hazardous Materials Remediation, Heavy Machinery Coordination, Seismic Load Calculations, CDM 2015 Regulations, Project Budgeting & Estimating, Environmental Waste Protocols, Vendor & Subcontractor Management, Site Safety Auditing, Critical Path Method (CPM)

## CERTIFICATIONS

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Chartered Engineer (CEng) | Institution of Civil Engineers (Mar 2014)

NEBOSH Construction Certificate | NEBOSH (Nov 2011)

## LANGUAGES

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English (Native)

French (B2 Upper Intermediate)

## ACTIVITIES

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### **Institute of Demolition Engineers (IDE)**

Full member contributing to the development of new safety standards for industrial dismantling.

### **Sustainable Construction Forum**

Regular attendee and guest speaker on topics of material circularity and brownfield redevelopment.

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CV example from guide at [vitae.so](http://vitae.so)