

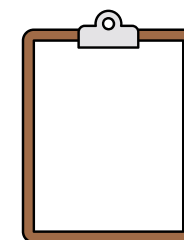
The Impact of Unexploded Ordnance (UXO) on Construction Projects in South Wales

How does unexploded ordnance (UXO) impact construction projects in South Wales in relation to safety, cost, programme delays, and risk management?

Why does it matter?

- South Wales experienced heavy WWII military and industrial activity
- UXO discoveries continue during modern construction projects
- UXO can cause:
 - Safety risks
 - Site evacuations
 - Programme delays
 - Increased project costs
- Limited research exists specifically for South Wales

Methodology



Mixed Methods Approach

Quantitative:

- Online questionnaires
- Construction professionals in South Wales

Qualitative:

- Semi-structured interviews
- Site managers, engineers, quantity surveyors

Data Analysis:

- Descriptive statistics
- Thematic analysis

Research Gap



Current research:

- Focuses mainly on general UK guidance
- Limited regional evidence for South Wales
- Little evidence showing real project impacts

This study will

- Gather data directly from construction professionals
- Investigate real project experiences
- Improve understanding of UXO risk management



Expected Outcome

Expected findings:

- UXO significantly affects project delivery
- Costs and delays are often underestimated
- Current risk assessment methods have limitations
- Need for improved planning and standardised management

Impact

- Safer construction practices
- Better project planning
- Improved awareness of UXO risks in South Wales
- Money saved throughout construction projects

Conclusion

- UXO remains a significant but underestimated issue within construction projects in South Wales. This research aims to improve awareness, planning, and risk management to support safer and more efficient project delivery.