

COOPERATION PROPOSAL

# Independent support in UXO risk management

Marine • nearshore • port • hydraulic engineering • onshore projects



## Decisions must be based on evidence

A geophysical survey result, anomaly classification, target investigation and hazard removal describe different stages. BTC checks what was actually done, what the limits of the results are and whether the documentation can justify the next project or investment decision.

We work on the client's side as independent technical support. We prepare written findings, conditions for further work and an assessment of residual risk for a specific scope of works.

SCOPE OF COOPERATION

## Where BTC adds value

Most uncertainty arises at the interfaces between work packages and project stages: when the survey does not match the final design, a find challenges earlier assumptions, or a final report is read more broadly than the data allow. We assess these situations without automatically extending the scope of surveys or works.

|                                     |                                                                                                                                                                                                                                                     |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Strategy and risk assessment</b> | Review of historical data, the scope of the planned intervention, survey requirements and criteria for dealing with anomalies.<br><b>Result: comments on the strategy and proportionate recommendations.</b>                                        |
| <b>Technical documentation</b>      | Assessment of specifications, methods, procedures, reports, certificates and ALARP analyses, taking into account the limits of the methods used.<br><b>Result: a written list of findings and acceptance conditions.</b>                            |
| <b>Quality and compliance</b>       | Checking the continuity of evidence from input data to conclusion, deviations from requirements and responsibilities at the interfaces between contractors.<br><b>Result: a register of gaps and deviations with an assessment of their impact.</b> |
| <b>Client representation</b>        | Technical support during surveys, target investigation and EOD works; review of sonar data and ROV footage within an agreed scope.<br><b>Result: ongoing comments and documented positions.</b>                                                     |
| <b>Change and stage closure</b>     | Assessment of the effects of a design change or a find, and a clear distinction between the area surveyed, checked and cleared.<br><b>Result: a decision note or an acceptance memorandum.</b>                                                      |



## Typical points of engagement

Before tendering and ordering surveys • before accepting a method statement or report • after a change of route, location, depth or method of works • after a new find • before handover and acceptance of residual risk.

## HOW WE WORK

### One assignment, a clearly defined result

An assignment can cover a single document, a disputed anomaly, a specific design change or a whole project stage. Before we start, we agree the question to be answered, the input data, the limits of the assessment, the form of the result, the deadline and the fee.

### Competence

Support is led by Andrzej Górski, a senior UXO/EOD technical advisor with more than 30 years of operational, supervisory and training experience on marine, port and hydraulic engineering projects. His experience covers hazard identification and removal, supervision of EOD teams, cooperation with contractors and maritime and land authorities, and review of technical documentation. He is an internal auditor of ISO 9001, ISO 14001 and ISO 45001 management systems.

### Independence and limits of the service

BTC does not carry out field surveys, target investigation or physical UXO removal. It does not replace the contractor, designer or investor, does not guarantee the absence of hazards and has no interest in increasing the scope of field work. On each project we support the agreed party, respecting confidentiality and avoiding conflicts of interest.

### Let's talk about a specific decision

Send a short description of the project and point to the document, change or problem that needs to be assessed. In reply we will define the proposed scope, the materials needed and the expected result.

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