

The Evidence-Based Pre-Feasibility Study

HOW SOUTHERN HARBOUR'S PROCESS BUILDS A FOUNDATION FOR BETTER RESILIENCE OUTCOMES



Stakeholder Alignment

Synchronizes project scope and parameters to unique local needs per Paris Declaration on Aid Effectiveness (2005) and the Accra Agenda for Action (2008)

360° View

Generates awareness of through-life risk and the value of the project in its socio-economic context

Optimised Delivery Strategy

Supports the UN's 17 Sustainable Development Goals

Empowered Decision-Making

Establishes common reference points to streamline complexity and improve consensus

Greater Confidence

Creates certainty around intended strategic outcomes and reduced unintended consequences

INSIDE

Step-by-Step Methodology
Proven and Innovative Tools

Act Today for a Better Tomorrow

In an increasingly unpredictable world, resilience is clearly an imperative. But is it also an opportunity? At Southern Harbour, we think so. We see it as an opportunity to build a better future, one that goes beyond reduced exposure to risk, to include a whole range of positive outcomes most resilience discussions don't even contemplate. Outcomes like a greater ability to pro-actively adapt to extreme events; more inclusive, cohesive communities; and stronger relationships between people and the organizations that lead them.

Our Commitment to Our Clients

Southern Harbour's work is meticulously evidence-based, fully auditable and repeatable. And to ensure our solutions are as exhaustive as possible, we design them to address any and all "reasonably foreseeable" risks.

Methodology: The Pre-Feasibility Study

The building block of those better outcomes is an evidence-based pre-feasibility study. We conduct them using a proven and rigorous process that

minimises risk by addressing a project's contextual influences and effects. Here's a step-by-step look at how we do it:

Phase 1 | Gather Evidence

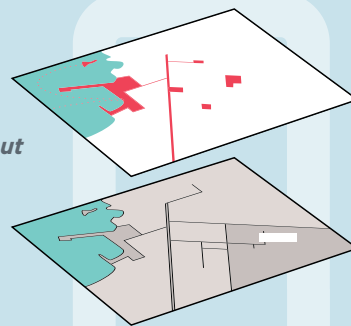
STEP 1 THE DESKTOP STUDY

- Assess the client organisation, its operations and environment using all readily available information
- Evaluate the purpose of the proposed project and its desired outcomes
- Define the problem definition and focus the resulting solution-design phases

STEP 2 REQUEST FOR INFORMATION

- Challenge assumptions generated by the Desktop Study and plug any information gaps
- Identify potential failure points in an efficient and cost-effective way
- Generate a real-time, localized project view through guided field visits and in-depth stakeholder interviews
- Leverage state-of-the-art tools, including drones, satellite imagery and the latest sensor technology

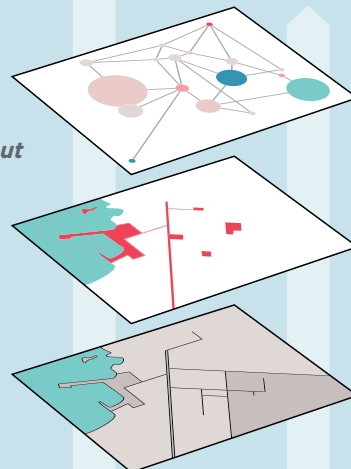
Output



Informal Common Operating Picture

Early-stage visual representation of a project's complex relationships, including essentials and existing site infrastructure.

Output



Evidence-Based Common Operating Picture

Evolved visual representation that includes highly detailed socio-economic considerations.

The common operating picture is iterative and responsive. New learnings are applied throughout every stage of a project.



Phase 2 | Assess

THE CONTROL FRAMEWORK

- Use inputs from the Request for Information and the Evidence-Based Common Operating Picture to generate a set of project-based controls
- Leverage the RiskLogik software suite
- Minimize risk by coordinating practices and procedures
- Develop risk-related scenarios and reveal vulnerabilities in each

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Phase 3 | Develop Strategy

OPTIONS IDENTIFICATION

- Develop the project metrics using indicators of anticipated outcome
- Pinpoint all practicable pathways to project completion

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Phase 4 | Share Findings

RESILIENCE ASSESSMENT

- Outline all Southern Harbour findings generated during Phases 1 through 3
- Provide clients with a deep understanding of the project scope

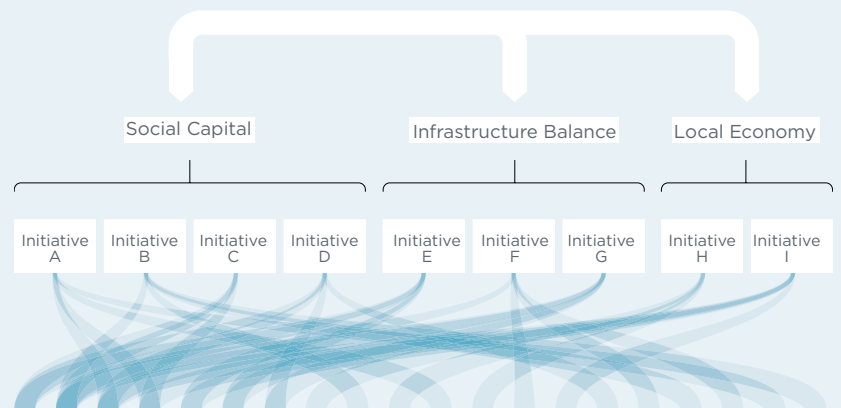
RECOMMENDATIONS

- Highlight and prioritise the greatest-impact initiatives, and outline corresponding tasks
- Anchored by a shared reference point – the iterative Common Operating Picture – to facilitate agreement between stakeholders with competing priorities

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Phase 5 | Implementation

- Groundwork done during Phases 1 through 5 enables a balanced and achievable roll out of all project recommendations
- Project initiatives are grouped by three main thrusts for maximum effectiveness. Corresponding tasks meet the requirements of one or more initiatives without compromising others.



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Leading-Edge and Fully Proven Tools

- Risk Analysis
- Causal Chain Analysis
- Risk and Response Capacity Tools
- Drone Technology
- Satellite Imaging
- Geospatial Analysis
- Exploratory Spatial Data Analysis
- Climate Change Analysis
- Artificial Intelligence
 - **GeoLogik 2D electronic risk visualization**
 - **SiteLogik 3D electronic risk visualization**
 - **RiskLogik Risk and consequence identifier**
 - **CyberLogik Cyber risk profiler**

Why Choose Southern Harbour ?

Our team has decades of combined experience helping clients achieve the best possible resilience outcomes. We work in direct partnership with RiskLogik, noted risk analysis and management experts, leveraging their innovative suite of software tools to fully optimise our processes. We set the bar high for accountability, with an insistence on work that is evidence-based, auditable and repeatable. And our unshakeable commitment to confidentiality has earned us the trust of governments, private businesses and NGOs from around the world.



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