

Project details

Application team

STAHT LIMITED

Organisation details

Type	Business
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Team members

Full name	Phone number	Email
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Robert Hirst		
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Application details

Competition name

The Sustainable Innovation Fund: round 1 (temporary framework)

Application name

An Innovative IoT-based software platform utilising AI and Machine learning to optimise working practices within the construction industry

When do you wish to start your project?

15 September 2020

Project duration in months

9 months

Innovation area

Electronic materials and manufacturing

Has this application been previously submitted to Innovate UK?

Research category

Selected research category

Experimental development

Project summary

Project summary

Team

[REDACTED]

Unmet Need

[REDACTED]

The impact of COVID-19 on the UK's construction is catastrophic.

[REDACTED] study by CEBR finds that the UK's construction industry has been losing £301.5M a day during COVID-19, [REDACTED]

[REDACTED]

Solution Proposed

[REDACTED] a suite of software applications that have the ability to capture geo-located feeds of data from measurement sensors on physical testing devices. [REDACTED]

[REDACTED]

[REDACTED] the construction industry's safety testing by reducing manual processes, on-site attendance, and associated logistical considerations.

Market Opportunity

[REDACTED]

[REDACTED]

Objectives

[REDACTED]

Public description

Describe your project in detail, and in a way that you are happy to see published.

Staht Ltd. (Staht) was founded by Robert Hirst. The impact of COVID-19 on the UK's construction industry has been devastating. As a result, a recent study by CEBR discovered that the construction industry has been losing roughly £301.5M a day during the pandemic. Staht aims to build a digital software platform that will offer a suite of software applications that can capture geo-located feeds of data from measurement sensors on physical testing devices. This will help to optimise processes related to the construction industry's safety testing, and also reduce manual processes, on-site attendance, and associated logistical considerations.

Scope

How does your project align with the scope of this competition?

Summary

[REDACTED]

Innovation

[REDACTED] a suite of software applications that have the ability to capture geo-located feeds of data from measurement sensors on physical testing devices. [REDACTED]

[REDACTED] the construction industry's safety testing by reducing manual processes, on-site attendance, and associated logistical considerations.

Market Opportunity

[REDACTED]

[REDACTED]

[REDACTED]

Alignment to Scope

[REDACTED]

[REDACTED]

[REDACTED]

Application questions

1. Equality, diversity and inclusion (not scored)

Please complete the equality, diversity and inclusion survey.

[Redacted]

[Redacted]

[Redacted]

[Redacted]

2. Declarations (not scored)

Please complete the declaration form provided.

[Redacted]

[Redacted]

Uploaded COVID-19 State aid temporary framework declaration (1).pdf

[Redacted]

[Redacted]

3. Need or challenge

What is the challenge you are trying to solve, as a result of the COVID-19 pandemic?

Staht Ltd. (Staht) was founded by Robert Hirst

[Redacted]

[Redacted]

Unmet Need

[REDACTED]

[REDACTED]

The impact of COVID-19 on the UK's construction industry is catastrophic. [REDACTED]
[REDACTED] study by CEBR
finds that the UK's construction industry has been losing £301.5M a day during
COVID-19, [REDACTED]

[REDACTED]

Current State-of-the-Art

[REDACTED]

[REDACTED]

[REDACTED]

Work-to-Date and Wider Context

[REDACTED]

[REDACTED]

[REDACTED]

4. Your idea

What approach will you take and where will the focus of the innovation be?

Meeting the Market Need

[REDACTED]

[REDACTED]

Improving on the Current State-of-the-art

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Innovation Focus

[REDACTED] a suite of software applications that have the ability to capture geo-located feeds of data from measurement sensors on physical testing devices. [REDACTED]

[REDACTED] the construction industry's safety testing, by reducing manual processes, on-site attendance, and associated logistical considerations. [REDACTED]

[Redacted]

[Redacted]

[Redacted]

Freedom to Operate

[Redacted]

Project Outputs

[Redacted]

[Redacted]

5. Team, resources and delivery

Who is in the project team, what are their roles, and how will you deliver the project?

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Appendix-Q5: Full team bios, organogram showing management lines, and facilities/resources required.

Project Management

[REDACTED]

Work Packages (WP)

This project will start on the 15th of September 2020 and take 9 months.

[REDACTED]

[REDACTED]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Appendix-Q5: Full WPs and Gantt.

[Redacted]

6. Market awareness

What does the market you are targeting look like?

Target Market

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Market Dynamics

[Redacted]

[Redacted]

[Redacted]

Market Barriers

[Redacted]

[Redacted]

[Redacted]

Staht's Value Chain

[Redacted]

7. Outcomes and route to market

How are you going to stabilise and grow your business following COVID-19 and increase your productivity into the long term as a result of the project?

Market Position

[Redacted]

[Redacted]

Target Customers, End-Users, and Value Proposition

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Route-to-Market

[Redacted]

[Redacted]

[Redacted]

Post-project Milestones/Sales Forecast

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Protection

[Redacted]

[Redacted]

8. Risks

What are the main risks for this project?

Key Inputs

[Redacted]

[Redacted]

Key Outputs

[Redacted]

[Redacted]

Risk Management

[REDACTED]

[REDACTED]

Technical Risks

[REDACTED]

Managerial Risks

[REDACTED]

Commercial Risks

[REDACTED]

Appendix-Q8: Full Risk Assessment/Mitigation's.

[REDACTED]

9. Costs, added value and value for money

What impact would an injection of public funding have on the businesses involved?

[REDACTED] £167,939

This is a 9-month experimental development project.

[REDACTED]

[REDACTED]

Equity

[Redacted]

Crowdfunding

[Redacted]

Loans

[Redacted]

Project Impact

[Redacted]

[Redacted]

[Redacted]

Value for Money

[Redacted]

[Redacted]

Subcontractors - [Redacted]



The finances of all project partners are included in this summary.

	Total costs (£)	Funding level (%)	Funding sought (£)	Other public sector funding (£)	Contribution to project (£)
STAHT LIMITED Organisation			167,939		

Funding breakdown

	Total	Labour (£)	Overheads (£)	Materials (£)	Capital usage (£)	Subcontracting (£)	Travel and subsistence (£)	Other costs (£)
STAHT LIMITED								
Organisation								

Terms and conditions

Award terms and conditions

Partner	Terms and conditions
STAHT LIMITED (Lead)	<div></div>