

Project Specification

Tender details – the opportunity

Company name	MediShout Ltd
Company address	2 Sherrock Gardens, Hendon, London, NW44JJ
Description of company activity/SIC code	SIC code: 61900
Objective of the proposed innovation project– this MUST involve activity that results in the development of or introduction to the market of a new product or service (max 300 words)	<p>The Problem</p> <p>A publication in the Lancet in June 2020 found that “front-line health-care workers were at increased risk for reporting a positive COVID-19 test” [1]. In particular, “adequacy of PPE, clinical setting, and ethnic background were also important factors”. These are proven facts, yet hospitals don’t have quick or efficient ways to risk-assess staff and ensure they are safe to work. Given that the NHS has over one million staff, this is a huge problem which has resulted in deaths and illness for many frontline staff, who have often been working in clinical areas they were not safe to be in.</p> <p>Solution: A New Product In The Market</p> <p>MediShout will solve this problem by delivering a novel digital platform and mobile phone App that allows staff to instantly and easily submit their risk-assessment forms. These will get automatically reviewed by line managers and HR teams within the hospitals, who will use the app to notify staff which clinical areas they are safe to work in. The complexities around the product lie in data-security (so only certain managers can see and action the data) and ensuring correct responses are sent back to staff to ensure they are protected.</p> <p>Aims</p> <p>1. Protect Staff</p> <p>Safeguard all employees, preventing them from working in unsafe environments and thus reducing mortality and illness rates.</p>

	<p>2. Save Staff Time Replace time-consuming and laborious processes, with MediShout's organised and secure digital system, saving time for clinical staff and hospital managers alike. We aim for 10,000 staff to complete the form with MediShout and estimate we will save 15 minutes per form.</p> <p>3. Collect BAME Data Collect data efficiently for BAME risk-assessments to ensure higher-risk employees are protected and use the data for long-term change.</p> <p>[1] "Risk of COVID-19 among front-line health-care workers and the general community: a prospective cohort study", Nguyen et al, Volume 5, Issue 9, E475-E483, September 01, 2020, The Lancet.</p>
<p>Company's current situation – existing project team and innovation project development stage (max 400 words)</p>	<p>MediShout's board include Keith Gibbs (former CEO of AXA insurance for 17 years) and Chris Howie (former Life Sciences lead of UK Government's Department of International Trade).</p> <p>The CEO and founder, Dr. Ash Kalraiya, is an NHS Orthopaedic Surgeon who started MediShout 8 years ago after experiencing inefficiencies in hospital problem solving and logistics. He worked with his local hospital trust to develop the application and helpdesk integration to create impactful change in the hospital. He will be the overall lead project manager on this project to ensure benefits are realised for the hospitals.</p> <p>Dr. Ali Nehme Bahsoun also trained as a doctor and he has 6 years of full-time experience building med-tech at the recently acquired company called Digital Surgery. Ali is the Chief Product Officer and he will manage the design component and technical build in this project.</p> <p>MediShout has already built digital technology and apps for various NHS hospitals. The focus has always been around improving logistics and operations. This particular project is important because it protects staff against Covid-19.</p>

	<p>MediShout has always focused on the importance of data-security but this is the first time we will be dealing with "Sensitive data". Due to the nature of this type of data-collection, the data structure, storage and access must be handled with extra measures.</p>
<p>Business need – what expertise and support is required to reach the objective(s) above? (max 400 words)</p>	<ol style="list-style-type: none"> 1. Data security is paramount when handling any data but this is particularly when it comes to "sensitive data". Though our data servers are managed using protocols that follow GDPR, ISO 27001 and SOC, MediShout will pursue ISO 27001 for data security across the entire organisation. MediShout will look to bring on expert regulatory support with a focus on meeting ISO standards across the company. 2. Development expertise is required to build upon the existing MediShout platform. These changes include a restructuring of the logic of our back-end and database. The new system will need to take into account multiple levels of hierarchy in the workforce including the roles of line managers, administrators and senior managers. Each of these stakeholders will be required to participate in a particular way with the platform and should only have access to data on a need to know basis. 3. The MediShout apps are built using a novel toolkit that can manage both Android and Apple devices. Though this style of coding is more time and cost effective, the coding language is a different native app programming and requires a software engineer with this particular background. 4. The other required technical skill for development is for the "front-end", this is the website that will be used by the line-managers, administrators and senior managers will perform the administrative functions of the platform. The interface needs to be simple to use and support staff in fulfilling their role. 5. Quality Assurance and testing is paramount to delivering a great product. As we are handling "sensitive data" we need to take

	extra care handling this data. Access to data needs to be rigorously tested to ensure we minimise errors that may lead to inappropriate data access. Data loss will also be a key focus during testing. If risk assessment data is handled inappropriately and lost then we may be putting staff at risk.
Please list six key words that describe your potential project, i.e. ICT, engineering, biotech etc.	Health, technology, staff, covid-19, Risk-assessments, NHS
Required timescales (if any) for Project Start and duration, and if applicable anticipated product launch date	Start date is October 1 st 2020 6 month duration
Optional - company budget available to match fund KEEP+ grant (if known) please see 'Further details' for maximum funding amounts	£12,250
Company Contact for further information	ash@medishout.co.uk
Required tender response date (10 working days from posting of advert)	
Criteria for Decision making	Assessment criteria are as follows <ul style="list-style-type: none"> ● Expertise fit ● Timing & availability fit ● Geographically local preferable
Date for Contract Decision	Minimum of 10 working days from date of advertisement
Tender response templates	Please approach the company for the exact format of your response.