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Document title:	Sustainability Assessment				
Executive summary:					
<p>This document contains an assessment of LocaVision's impacts towards the United Nations (UN) Sustainable Development Goals (SDGs). The sustainability impact table outlines the influence of LocaVision towards each SDG, rating its respective influence on a measure between -3 and +3, with a supporting statement to justify the conclusions made. Of the six SDGs rated with maximum influence, three were selected. SDG9 industry, innovation and infrastructure and SDG12 responsible consumption and production are rated to have most positive impacts. SDG15 Life on land is deemed to receive the most negative impact. The sustainable design classification considers the most impacting SDGs and summarises the ratings across all goals. A table classifies the LocaVision product along an overall grading scale from A+ (most sustainable) to E (least sustainable). LocaVision is rated as C.</p>					
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Sustainability Assessment



Sustainable Development Goal	Impact Rating (-3 → +3)	Supporting statement
	+1	LocaVision as a business may lead to job creation and increased employment within manufacturing zones. In developing countries, the increase in the production of electronic components can reduce poverty and thus benefit SDG1. Glasses may also provide a minimal form of social support system for the vulnerable through visual and auditorial aid towards navigation and health monitoring.
	0	LocaVision, as a technical product, would have little impact on the food market, infrastructure and agricultural practices which mitigate global malnutrition. There may be some negligible positive influence on the prevalence of malnutrition, though only through accessible dietary recommendations.
	+2	Promoting healthy lifestyles and effective healthcare can be aided by LocaVision's accessible AI recommendations. It would encourage affordable alternative products to promote well-being that have positive impacts regarding improvement of Quality of Life by preemptive diagnosis of common diseases or recommendations against substance abuse for the user. However, it will not significantly impact the healthcare industry.
	0	Though LocaVision may provide a more accessible means of education in the form of intuitive information gathering, no direct substantial impact exists. Some indirect causation effects may arise from the result of increased job opportunities towards education completion. Again, this is not significant enough to warrant any rating, although the addition of later software or applications could realise an educational effect.
	0	STP does not approach or otherwise promote additional values regarding gender equality. Outside the organisation, the product itself does not provide benefits towards issues of SDG5, including domestic inequality, forced marriages, or discriminatory violence. Within the employment space, UK regulations ensure participation towards leadership and equity in economic resource allocation but no more than standard practice.
	-1	SDG6 aims to ensure the availability of sustainable water and sanitation management. Processes involved in manufacturing and transport may contribute negatively towards this goal to a minimal degree, i.e. through reduction of water quality and lowered supply efficiency. Lithium-ion batteries, for instance, demand a large quantity of water for the manufacturing process and, when disposed of, are pollutants, contributing to reduced water availability.
	-1	Manufacturing processes and trade activities such as transport will inherently be energy-intensive and detrimental in this aspect. However, through actively sourcing components from sustainability-oriented manufacturers, LocaVision's production takes measures to improve energy efficiency. The involvement within developing countries can also lead to expansion in energy services, which play a role in universal access.
	+3	As a medium-sized company within a rapidly advancing field, such as technology and AI, it provides a significant platform for economic growth for all parties. Introducing economic productivity adds significant job opportunities, driving growth and contributing towards SGD8. The increase in exports from global suppliers and LocaVision's compliance with efficient consumption and production regulations will also aid countries financially.
	+3	By selection of sustainable suppliers, these forms of infrastructure are more invested in and likely to grow. Our AI models are a key example of the enhancement towards industrial technologies as they can be pioneered for various applications. The facilitation of technological growth is critical to increasing affordable and accessible communication infrastructure, such as extending electrical and telephone grids, especially within developing countries.
	0	Despite complying with the UK-SPEC statement of ethical business practices, STP has no contribution towards diversified or equal wealth distribution other than standard practices. STP, including branches like LocaVision, does not directly implement workplace inclusion towards race, age, sex or other demographic status. Some official investment is encouraged within LDCs; however, no differential treatment is placed.
	0	Minor contribution within this goal leads to a net 0 rating. Very minute positive impacts can be attributed to sustainable resource management within cities and tending to the need for disability assistance. However, these are limited and have little contribution towards SDG11's focus on infrastructure and settlement development. In contrast, it may increase the carbon footprint of cities where LocaVision and its derivatives are based negatively.
	+3	Implementing sustainable and consumption frameworks within the organisation is a large step towards SDG12. Despite the consumption and production practices not being net positive for sustainability, especially due to the large effect of e-waste, STP puts in the best efforts for sustainability awareness and proactive decision-making. Most of the company's values place emphasis and highest priority regarding sustainable practices. This includes designing the LocaVision product with a circular economic model in mind. Where possible, waste is managed responsibly; sustainability is prioritised when selecting manufacturers and suppliers.
	-3	Energy-intensive servers and large-scale manufacturing processes negatively contribute to climate change. Carbon emissions and E-waste/plastic generation contributing to GHGs are examples of mechanisms for which STP is responsible. Though mitigating by sourcing sustainably operating suppliers and complying with standards is a strategy, SDG13 expects implementation of such frameworks to national levels, which is not covered by LocaVision policies.
	-3	The degradation of ocean quality is directly due to the LocaVision project. Despite adherence to BS-8887, component manufacturing, which generates metallic waste such as lead, mercury and arsenic, or non-biodegradable e-waste, can leech into nearby water sources. The contribution of airborne pollution through carbon emission from transportation and manufacturing can cause biodegradation by acidification. Factories built in coastal regions in countries with less regulation are additional impact factors. These negative impacts, without means of restoration or protection, lead to heavy drawbacks.
	-3	Similarly, terrestrial ecosystems and biodiversity suffer heavily as a result of LocaVision despite some sustainability-oriented disassembly and disposal standards, including BS-8887. As with SDG14, waste from manufacturing can accumulate within the soil, leading to the loss of natural habitats. Deforestation within LDCs, due to infrastructure and other consequences to decreased biodiversity, potentially introduces invasive species.
	0	STP does not directly address SDG16 other than within workplace settings. Minor contributions towards safety risks, such as trafficking and individual security, can be moderated through LocaVision's guidance. However, no large-scale initiatives towards justice and political conflicts are present.
	+2	By innovation of SDG9, further research opportunities and investments can be brought to light to increase collaboration and cooperation internationally. Through global innovation in an emerging field, R&D partnerships and encouraging outreach with LDCs can directly contribute to more appropriate financial allocation regimes.

Summary

1 SDG9 – Industry, Innovation, Infrastructure (+3)

2 SDG12 – Responsible Consumption and Production (+3)

3 SDG15 – Life on Land (-3)

Sustainable Design Classification

LocaVision is rated C along the sustainability scale. LocaVision places primary emphasis on compliance with regulatory standards, mainly regarding BS-8887, which outlines sustainable practices across all manufacturing, assembly, disassembly, and end-of-life processing (MADE).

By ensuring sustainable MADE frameworks and their value are attained at the highest organisation level, LocaVision significantly contributes towards SGD12 as its highest impacting goal, justifying the high rating given. Despite these specifications, STP remains a company based in the technology and electronics sector, contributing to significant adverse environmental degradation that negatively impacts the environmental SDGs, e.g., SDG13, SDG14, and SDG15. Factors including greenhouse emissions, deforestation for infrastructure, and non-biodegradable waste all contribute to lowering the quality of both terrestrial and marine ecosystems, which significantly reduces the justifiable rating. This is especially prevalent when rating SDG13, for which metrics are expected to be contributed at a national level.

SDGs 4, 5,10, and 16 do not benefit directly from LocaVision’s practices other than compliance with UK-based regulations for common workplace equality. However, the increased employment in LDC regions and opportunities provided by improved local infrastructure ensure LocaVision contributes towards SDG1 and SDG17.

As mentioned, the presence of LocaVision in a growing field is a large platform and driver for innovation and research, which are massive contributions towards SDG8 and SDG17. SDG9 is facilitated significantly by the design and enhancement of AI, in which research can lead to technological growth, especially towards communication infrastructure.

Rating	Description	New Product Classification
A+	Most sustainable <div>↓</div> Least sustainable	
A		
B		
C		✓
D		
E		