

# Mapping Products and Services to the UN Sustainable Development Goals For Adrok

Prepared by Crescus Ltd - June 2021



## Part 1 Current Alignment with the SDGs

## Private and Confidential

The information contained in this report has been prepared for Adrok and may include sensitive commercial details. The distribution of this report should therefore be limited to Adrok employees.

Every care has been taken to ensure the accuracy of this report. The information in it is given in good faith but without liability on the part of Crescus.

## Executive Summary

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership. They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests.

The UN defines sustainable development as “development that meets the needs of the present without compromising the ability of future generations to meet their own needs.” The goals are independent but interconnected.

To highlight how Adrok are advancing the SDGs in their internal and external activities, ingraining them in their strategies and activities, and how effectively they are communicating this we have performed an SDG mapping exercise to better identify Adrok’s opportunities, strengths, and weaknesses as a potential contributor to the achievement of these goals.

The following summarizes the relationships identified between Adrok’s services and the relevant SDG. Currently Adrok contribute in some way to 10 of the 17 SDGs.

## SUSTAINABLE DEVELOPMENT GOALS



## **SDG 1- To end poverty, everyone should have basic healthcare, security and education.**

To end poverty in any region of the world governments must have the financial means to implement policies that tackle all of the factors that contribute to poverty. By utilizing the geophysical technologies that Adrok have developed to optimize the exploration and production of natural resources they help maximise recovery and add to national and local economies.

## **SDG 2 - End hunger, achieve food security and improved nutrition, and promote sustainable agriculture.**

The world is currently facing a global water crisis with nearly one third of the earth's population living in countries where the availability of water is a constraint on human activity. Adrok have developed a new method of aquifer identification and discovery, not only for human consumption, but crucially for the purpose of irrigation This in turn helps countries maintain and grow their crop production.

## **SDG 3 - Ensure healthy lives and promote well-being for all at all ages.**

Healthy living is directly connected to climate change, access to water and safe working environments. Adrok utilise technologies and techniques which are low CO<sub>2</sub> emitters, non-ionising and non-destructive to identify aquifers along with other natural resources. They do this in a safe and environmentally responsible manner by using best practice in HSE management.

## **SDG 6 - Ensure availability and sustainable management of water and sanitation for all.**

Access to water is a fundamental necessity and a growing global concern. Adrok's ability to identify and monitor ground water sources with its patented Atomic Dielectric Resonance scanner is therefore a direct contributor to this goal.

## **SDG 7 - Ensure access to affordable, reliable, sustainable, and modern energy for all.**

A smooth energy transition, away from hydrocarbon sources to more sustainable and renewable sources, that does not lead to energy cost spikes or shortages and that also does not leave developing countries out in the cold, will require advanced technologies in both sectors and a balanced approach. Adrok have technology that enables the efficient and optimal production of hydrocarbons thereby extending their lifecycle until access to cleaner options are at scale. This technology also enables efficient and optimal exploration and production of the natural resources useful for green energy generation such as geothermal energy and "green minerals" which are required in the production of batteries to store renewable energy.

## **SDG 8 - Promote sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all.**

Through its work and collaboration with academic and industry institutes, its publication of technical papers and its involvement in industry conferences around the world Adrok makes their geophysical expertise, which is focused on the low-impact optimization of natural resource exploration and production, widely accessible. This activity feeds into the transfer of knowledge and know-how to developing and developed countries alike to support economic growth and all the benefits that come with it.

## **SDG 9 - Build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation.**

Sustainable and renewable energy, such as geothermal energy, that will ensure future energy requirements are met is a key element of this goal. Adrok, an innovative technology company, contributes to this goal with its ability to locate sources of geothermal energy and other natural resources, such as "green minerals".

## **SDG 13 - Take urgent action to combat climate change and its impacts.**

Adrok's technologies and operational techniques are low CO<sub>2</sub> emitters, non-ionising and non-destructive. They enable the efficient and optimal production of hydrocarbons thereby extending their lifecycle until access to cleaner options are at scale, a process which Adrok also contributes with its ability to identify sources of renewable energy and "green minerals".

## **SDG 15 - Protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt and reverse land degradation, and halt biodiversity loss.**

Adrok not only use low CO<sub>2</sub> emitting, low-impact, non-invasive and non-destructive technologies with the minimal use of vehicles wherever possible, they also contribute to this goal with their ability to locate sources of ground water.

## **SDG 17- Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development.**

Adrok plays its part here by engaging in active participation in professional societies to cultivate awareness about energy and economic sustainability that builds the foundations for effective policy making.

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## Part 2 Alignment Expansion Opportunities

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## Alignment Expansion Opportunities

### SUSTAINABLE DEVELOPMENT GOALS



### **SDG 1- To end poverty, everyone should have basic healthcare, security and education.**

Further contribution to this goal can be achieved by complying with and implementing local content regulations in countries where they exist in order to add directly to national and local economies and train local personnel. In addition, Adrok could also develop and implement local employment and purchasing policies in all countries where they work in order to contribute to this goal.

### **SDG 4 - Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.**

In order to contribute to this goal, Adrok can hire and train local staff for international offices and projects. In addition, Adrok could also develop and implement an internship programme.

## **SDG 5 - Achieve gender equality and empower all women and girls.**

Adrok has an equal opportunity policy but this is not reflected in the gender profile of the company which should be rectified in order to contribute to this goal.

## **SDG 8 - Promote sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all.**

Further contribution to this goal can be achieved by employing and training local staff where possible and empowering the local staff to assume supervisory/managerial positions.

## **SDG 10 - Reduce inequality within and among countries.**

Contribution to this goal requires a recruitment policy addresses diversity in all respects: age, ethnicity, culture, religion, nationality, socioeconomic stratum, language, and experience level to reduce inequalities.

## **SDG 13 - Take urgent action to combat climate change and its impacts.**

Adrok's technologies and operational techniques are low CO<sub>2</sub> emitters, non-ionising and non-destructive. They enable the efficient and optimal production of hydrocarbons thereby extending their lifecycle until access to cleaner options are at scale, a process which Adrok also contributes with its ability to identify sources of renewable energy and "green minerals".

**SDG 16 - Promote peaceful and inclusive societies for sustainable development, provide access to justice for all, and build effective, accountable, and inclusive institutions at all levels.**

This calls for the utilization of best practices in project management, including diversity, equality and anti-corruption. Further contribution to this goal can be achieved by developing a local community engagement policy regarding geophysical operations with the aim of mitigating potential disruption to local society and to increase awareness and knowledge among the communities as to the benefits of geophysical surveying.