

# Kontur

At the forefront of subsurface mapping



“ Kontur is a fast and reliable system for aviation. We can collect data for any circumstance, known or unknown at the time of the survey. We can always answer any new queries by changing analysis settings, without the need to revisit these critical and sensitive areas. ”

Adam Kovacs, Principle Surveyor at Catsurveys UK

## About Kontur

Kontur's<sup>1</sup> patented radar device enables granular 3D models of subsurface areas. Mounted on a vehicle, it can perform a scan while driving at the same speed as general traffic. This enables market-leading automation and efficiency in mapping infrastructure such as roads, bridges, tunnels and more. The technology is also applied to other markets, like civilian demining, archaeological excavation and agriculture soil mapping.

[kontur.tech](https://kontur.tech)

## Key information

Founded: 2001

CEO: Nina Bøyum

HQ: Trondheim, Norway

Impact theme: Energy & resource efficiency

Industry: Infrastructure

## Impact potential

5/5 | Impact-generating

## SDG targets contribution



## Net impact score

+25 % | +45 %<sup>2</sup>

1. Formerly 3D-Radar

2. Applying Norselab custom value set mapped to SDGs

# Kontur

## Sustainability challenges

### Critical weaknesses in transport infrastructure

Society depends on infrastructures like roads, tunnels, railroads, airports, dams and utilities. Such critical infrastructure requires monitoring to uncover critical weaknesses and regular maintenance. Yet, the reliability of infrastructure monitoring can be challenging, leading to inadequate maintenance. This creates a risk of infrastructure disasters and accidents. With growing populations, this challenge will only increase and become more critical.

### Insufficient subsurface knowledge

Today, knowledge about the subsurface is limited, and approximative analysis of underground infrastructures and resources is usually applied. This usually leads to overly intrusive excavation and drilling. Lack of subsurface knowledge also creates inefficiencies and a higher environmental and social footprint for a range of sectors. Examples include understanding agricultural soil better, working more efficiently on archaeological sites and civilian demining.

## Theory of change

Gaining a better understanding of what lies below the surface can play a critical role in creating a safer environment and preserving cultural heritage. Kontur has developed and manufactured an innovative Ground Penetrating Radar (GPR) technology with market-leading precision that enables the mapping of subsurface areas.

The resulting granular 3D models can uncover critical weaknesses in roads, bridges, utilities, runways, railways and tunnels, preventing disasters while safeguarding critical infrastructure.

The technology application extends beyond infrastructure applications and the subsurface insights can also be used for civilian demining, agricultural soil and archaeological sites mapping and mining safety.



Targets 11.2, 11.4, 11.5



Target 16.4



Target 2.4



Target 8.8

## 9

Business areas where the technology is deployed