

# SUSTAINABLE DEVELOPMENT GOALS

## Sustainable Development Goals, What are They?

The Sustainable Development Goals (SDGs) were adopted by all United Nations Member States in 2015 as a universal call to action to end poverty, protect the planet and ensure that people everywhere enjoy peace and prosperity by 2030. The 17 SDGs are integrated—that is, they recognize that action in one area will affect outcomes in all others, and that development must balance social, economic and environmental sustainability.

## Why is sustainability important to Utilis?

Utilis products contribute to three of the seventeen goals: 6, 9, 13. Utilis believes that sustainability is not only part of our business strategy but it also guides our mission. With technological innovation, we are able to help public and private sectors overcome major water challenges.

## THE GOALS AND UTILIS CONTRIBUTIONS



### Goal 6: Ensure access to water and sanitation for all

**Utilis contribution:** Utilis helps customers build resiliency and ensure continuous water supply with a service that proactively monitors water and wastewater systems for leaks before they are visible.

Higher efficiency and effectiveness in water leakage reduction means less water taken from natural reserves, less energy used to pump and process water that is ultimately lost and the associated carbon emissions used to produce that energy. The result is more drinking water available to everyone.



### Goal 9: Build resilient infrastructure, promote sustainable industrialization and foster innovation

**Utilis contribution:** Utilis provides a solution to customers to monitor saturated ground under slopes to reduce landslide risk, therefore keeping transportation infrastructure open and operating in all weather conditions.






### Goal 13: Take urgent action to combat climate change and its impacts

**Utilis contribution:** Climate change is projected to increase the frequency and intensity of extreme weather events, such as heat waves, droughts, and floods.

Utilis L-Band SAR analytics helps customers identify and locate vulnerabilities on critical infrastructure therefore making it more resilient to severe weather from climate change.

# VALUE THAT WE CREATED SO FAR\*

|  | 2018                        | 2019                         | 2020                         |
|--|-----------------------------|------------------------------|------------------------------|
|  <b>WATER SAVED</b>           | 5<br>million m <sup>3</sup> | 11<br>million m <sup>3</sup> | 20<br>million m <sup>3</sup> |
|  <b>ENERGY SAVED</b>          | 3,213<br>MWH                | 6,704<br>MWH                 | 13,000<br>MWH                |
|  <b>CO2 EMISSIONS REDUCED</b> | 2,149<br>metric tons        | 4,484<br>metric tons         | 8,484<br>metric tons         |

\*as of August 2020

## ABOUT UTILIS

Utilis SAR analytics solutions provide sub-surface ground saturation mapping at very high spatial resolution and are currently being promoted and sold into two main vertical markets: water utilities and transportation infrastructure.

Utilis entered the water utilities market in 2016 and the first product was satellite leak detection. This consisted of a map showing where water distribution pipes were leaking. With the challenge of detecting leaks underground being high, Utilis was able to help customers locate leaks three to four times more efficiently and reducing overall leakage reduction costs by more than half.

As part of their mission to consistently bring innovation to the infrastructure market, Utilis is providing solutions for mitigating underground soil issues for railways and motorways, which are affected by adverse weather in the form of landslides. Utilis-produced ground saturation maps help customers identify geohazards in advance, assess risks and mitigate as necessary.



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