Name Trigger.Systems
Website trigger.systems
Year Launched 2017
Area Sustainable Irrigation

Description

Trigger.Systems' integrated agronomic algorithms and virtual sensors provide significant irrigation efficiency and water savings, while computing in real time plant's dynamic variables and according to the weather forecast. It is a new IoT technology where the system decides and humanizes the communication with the user, optimising the irrigation activity, from a resources and productivity perspective.

Impact in Numbers

Trigger.Systems can reduce water footprint up to 50% in landscape irrigation and 20% in agriculture.

SDG Analysis

Trigger.Systems is focused on the sub-goal 6.4, by improving water efficiency in irrigation through savings of up to 50% of water. Furthermore, the company is contributing to the sub-goal 11.6, by reducing cities' environmental footprint.

Impact Management Project assessment

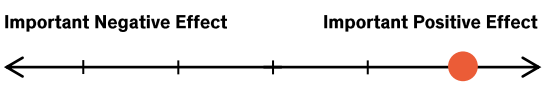
What: Trigger.systems' solution is saving water in different irrigation applications, ranging from farmlands to golf courses, municipal gardens or hotel/resorts. As green urban spaces are becoming more important to tackle sustainability and wellbeing, Trigger.Systems offers a solution to fight water scarcity.

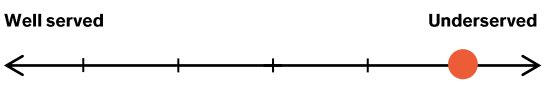
Who: Climate change and increasing global population has led to fresh water stress in many regions of the world, including Portugal. 70% of this fresh water is used in irrigation (Aquastat) and 30% of that water is wasted in inefficient irrigation systems.

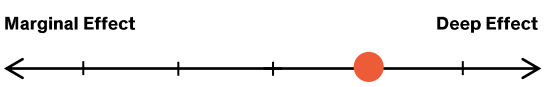
How much: Trigger.Systems can reduce water footprint up to 50% in landscape irrigation (from an average of 1,300 L/m2 to 700 L/m2) and 20% in agriculture (from an average of 900 L/m2 to 700 L/m2).

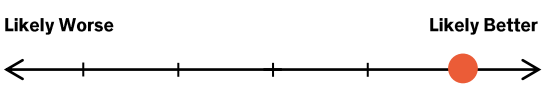
Contribution: Compared to the majority of existing irrigation systems, Trigger Systems is considerably more efficient. We might see its relative contribution slightly decreasing across the years, as more competitors appear, but that would be a positive sign, representative of a systemic change.

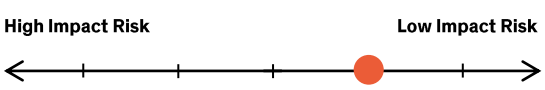
Risk: Unexpected impact risk might occur if there is an incorrect disposal of the hardware equipment of Trigger.Systems.











Conclusion

According to the IMP framework, we classify Trigger.Systems as a C (Contributing to solutions) because the venture provides an effective solution for the pressing challenge of water scarcity. Trigger Systems also has a long-term deep effect on their clients' water usage, which can inspire systemic change across industries.