CityLST/GreenSSLM – Atmosphere and Hazards monitoring in cities

Aratos Systems

11 SUSTAINABLE CITIES AND COMMUNITIES

- **User**: Government Agencies, Public Authorities, NGOs, Local Government, Businesses, Citizens' Groups.

- **Challenge/Needs**: Cities, their industrial areas, and their related communities have intricate planning and varying degrees of settlement density and infrastructure. This produces a multitude of variables that directly affect efficiency and production, as well as vulnerability and slower reaction time to natural and man-made disaster.

- **Initiative**: A platform that can combine information collected across multiple sources, analysis of satellite data with cutting edge algorithms, and an innate understanding of disaster indicators, monitoring and management.

- **Results**: Multi-purpose platform with precise mapping of findings including vulnerable disaster areas & early warning systems, validated multilayered information that can be trusted, and a great understanding of disaster indicators and monitoring for early warning against and better management of crises.

- **Service Provider**: Aratos Systems.

Target 11.5: By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations.

Target 11.6: By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management. Indicator 11.6.2: Urban air quality

Spatial distribution of land surface temperature in the city of Rotterdam.

EARSC
European Association of Remote Sensing Companies

https://www.citylst.com/   https://www.greensslm.com/