



Internet of Things: State of Utah

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Thousands of environment, traffic, health monitoring, and control sensors throughout Utah are connected to the internet through a variety of technologies.

Many of these are operated by State government or through shared arrangements with federal and local partners, community associations, or private sector.

Together, they provide for more effective management of Utah's water, public health, transportation, environment, and other critical systems.



Utah IoT Implemented Project Category Examples

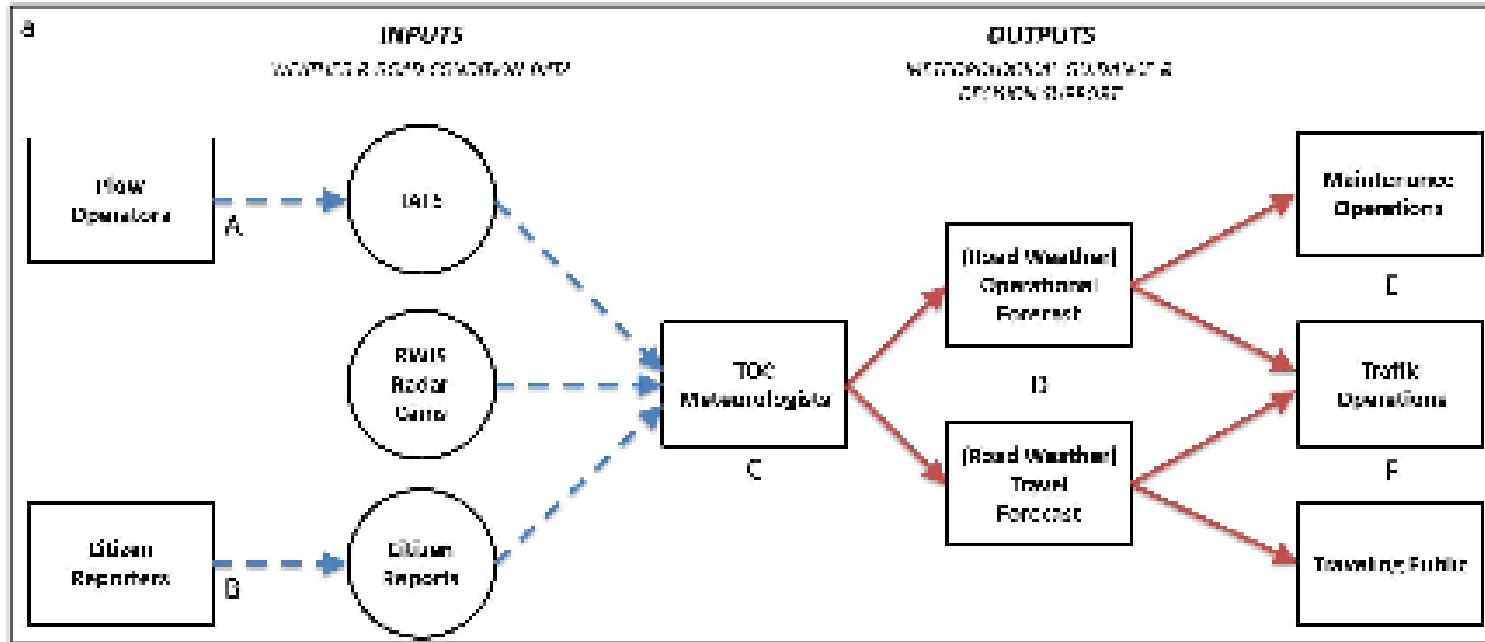
- Intelligent Transportation Systems
- Connected Cameras
- Water-Related Systems
- Environmental Monitoring Systems
- Parking Meter Information Systems
- Utah's Statewide GPS Network
- Vehicle Onboard Reporting Systems



Intelligent Transportation Example - RWIS

RWIS stands for *Road Weather Information System*. UDOT maintains a network of RWIS weather stations across the state of Utah. RWIS stations have atmospheric sensors, road sensors and cameras.

Data from RWIS is shared by UDOT Traffic and CommuterLink mobile applications.







RWIS Results

An evaluation by the Western Transportation Institute determined that, on average, the UDOT RWIS program saves \$2.2 million per year for snow and ice control activities. These savings generate a benefit/cost ratio that exceeds 10:1.

Wet pavement detection and advisory system reduced crashes by 39 percent.