



## EARLY FLOOD WARNING FOR A CONNECTED WORLD

### SERVICES

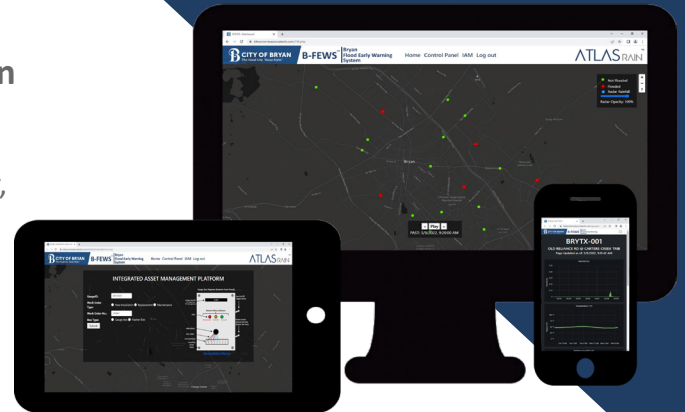
- Professional Consulting • Program Management • Asset Management • Hardware/Software • Grant Writing Support • Stakeholder Engagement • Public Outreach • Flood Science Education • Construction Phase Services • Vendor Coordination

**Decentralized Cloud-Hosted Platform (ATLASRain™)**  
(network redundancy, scalable, low latency, high availability, data archive, two-way control)

**AI-Enabled Data Loggers (bRain Box™)**  
(SDI-12 compatible, integration with low cost water sensors, on-board data storage)

**TORRES & ASSOCIATES, LLC**  
ENGINEERS | SCIENTISTS | PROFESSIONALS

ATLASRAIN™



#### Contact-Based Sensors

These sensors are among the lowest cost sensors on the market. When in contact with sensors, flood waters serve as a medium for triggering flasher and sms text notification. The sensor pictured to the left is under active testing by Torres & Associates, with deployment scheduled by end of 2022. Hardware costs can range from \$300 to \$500 per sensor.



#### Ultrasonic Sensors

These sensors use high frequency audio waves for measuring reflectivity off objects, including water levels. Hardware costs can range from \$1,300 to \$2,000 per sensor.



#### Pressure Transducer

When submerged, these sensors convert pressure head into water depth. Hardware costs can range from \$1,500 to \$2,000 per sensor.

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