IoT technology lets washing machine companies gather useful data including temperature, water flow, load weight, cycle times and current operating status. This information can be leveraged to optimize performance, increase efficiency and introduce new service models.

But large-scale IoT and data orchestration projects can be a daunting prospect. Common challenges include:

- **Data management**: Connected machines will produce huge volumes of data that has to be sorted, aggregated and analyzed to produce meaningful insights.
- **Network connectivity**: Companies need to transit data from their machines to the cloud in a reliable, cost-effective and secure manner.
- **Employee resources**: Skilled tech personnel are needed to program the embedded IoT software to interact with the manufacturer’s equipment.
- **Syncing equipment**: The IoT solution has to work with the protocols of legacy washing machines and be able to enable new services, like predictive maintenance, and new business models, such as ‘washing machines-as-a-service’.
- **Cost predictions**: Many companies find it hard to predict how much an IoT based project will cost, making it difficult to articulate the business case.

**Octave**: Sierra Wireless’ new device-to-cloud solution, lets you securely extract, orchestrate, and act on data from your washing equipment at the edge, to the cloud. Benefits include:

- **Simplicity of a fully-integrated, secure device-to-cloud offering**
- **Highly scalable and enabling usage-based services**
- **Unique data orchestration capabilities**
- **Cost predictability**: Many companies find it hard to predict how much an IoT based project will cost, making it difficult to articulate the business case.