

## Wide Area Systems Control Framework

### PUMAS: Processing Units for Multi-Agent Systems

We have developed a cloud based, wide area control plane framework. This allows data collection, automation and/or centralized control of multiple and differing systems, creating a large, unified digital ecosystem.

PUMAS is vendor neutral. It may be applied to large group of systems, sensors and/or devices geographically diverse. This patent approved solution also includes a patent pending security protocol that stops the interception and injection of messages across the wire while providing the lowest latency possible.



Being vendor agnostic, PUMAS makes the handling of multi-vendor system environments both simple and elegant. Since data is collected and processed from multiple sources, rich, this allows complex decision logic to be instantiated, responding to events in real time. Scaling is a true plug and play operation, while failover is handled sub-second by N number of nodes. In short, the PUMAS framework is secure, performant, and scalable.

We have solutions for Energy, SCADA, Telecom, Smart (Electric) Grids, military and security applications and will build customized solutions for any mission critical need. For organizations requiring a wide area control plane that is secure, multi-vendor, operating with multiple and disparate data points, PUMAS is the solution. It removes risk, is faster to implement, and reduces development costs.

We have built global, highly automated systems for some of the world's largest networks, delivering robust and dependable solutions for wide area applications.



#### KEY FEATURES

- Secure, cloud based solution
- Real time event reaction/collection
- Support for multiple vendors
- Solution is vendor/supplier neutral
- Supplies vendor agnostic data
- Rapid recovery on nodal failure
- Expand resources with true "Plug and Play"
- Reaction to multiple events from multiple potential sources
- Collect and cache data and events at the source/receiver
- Patent-approved solution
- Security solution patent pending