**Odysseus** is a framework for constructing custom event stream management systems and provides a set of modules as foundation for processing event streams. Odysseus defines a systematic approach for design and process. Any step, from description and processing of any data stream to presentation of query-results is simple and efficient. With the use of the OSGi Service Platform, the architecture is modular and can be easily expanded for specific applications (e.g. stream-based demand side management, fusion of sensor-data for adaptive cruise control). Additional features can be plugged in on demand and are configurable.

**Flexibility**
Odysseus provides a flexible framework for easy construction of highly customized event stream management systems

- Describe your datastream-sources
- Define your queries
- Intelligent continuous execution
- Continuous result presentation

**Expandability**
Every step in Odysseus can be customized to meet specific application tasks

- Integration of external streams
- Benchmark streams
- Custom query languages
- Extension of existing languages
- Graphical editors
- SLA definitions
- Individual data models
- Scripting
- Custom schedulers
- Custom optimizers
- Custom event processing agents
- Custom stream sinks
- Send results to applications
- Extensible GUI

**Many Features**
Odysseus has many features which extends the processing of event streams even further

- Support for persistent data
- User management
- Web Services
- Client-Server architecture
- CEP support
- P2P networks
- Prioritizing of data elements
- Benchmarking
- Query sharing
- Admission Control
- QoS / SLA-Scheduling
- Monitoring
- Data mining
- Charts / Statistics
- Dashboards