SEMANTICS AND AI
FOR IMPROVING THE PERFORMANCE OF PRODUCTION PLANTS
**SOLUTIONS**

- Cement
- Ceramics
- Chems
- Engineering
- Non-ferrous metals
- Minerals
- Steel
- Water

**CONTACT**

Fraunhofer Institute for Intelligent Analysis and Information Systems IAIS
Schloss Birlinghoven | 53757 Sankt Augustin
Richa Sharma | Phone: +49 2241 14-2303 | richa.sharma@iais.fraunhofer.de

**VALUE PROPOSITION**

- Saving in energy consumption
- Sustainability & Resource efficiency
- Waste reduction
- Assure product quality and process safety
- Increase productivity & production flexibility
- Equipment availability & downtime prevention

**COGNITIVE SERVICES**

- Feedstock
- Optimization of Energy Consumption
- Anomaly Detection
- Downtime Prevention
- Real-Time Quality Assurance

**DATA MANAGEMENT**

- Semantic Data Integration
- Data Sources
- Ontologies
- Quality Control
- Maintenance Report
- Machine Config.
- Historic Data
- Process Feedback
- OPC
- Recent Data
- Sensor

**Solutions**

- Automated Process
- Operator Assistance