

# ProSEco- Collaborative Environment for Eco-Design of Product-Services and Production Processes Integrating Highly Personalised Innovative Functions



## Aml based Solution contact person

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## Aml based Solution

- Aml Selection tool,
- Aml Monitoring Services,
- Aml Methodology



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This solution is developed in the scope of ProSEco project, and is one of the key solutions to support the design and development of new Product Extension Services (PES).

### What is Aml?

*In ProSEco an Aml system is a wide spectrum of systems: from simple (e.g. sensor) to rather complex systems (e.g. machine). Such Aml systems provide information which may be used to build a PES.*

### What's the Aml based solution?

*This solution is composed of an engineering tool to be used in the PES design phase to support PES designer in the selection/definition of Aml systems/sensors and a set of core services to be deployed and used to monitor products or processes within a PES. A methodology is guiding the process on how to select/define Aml systems and sensors.*

### Aml Selection engineering tool

The engineering tool supports the definition/design of PES by allowing selection of Aml systems/sensors. The engineering tool proposes to the PES designer which Aml system/technology could be used in the product / process and which information the designed product and / or process one could obtain from such Aml systems/sensors.

### Aml Monitoring services

These core services are used for collection and aggregation of Aml systems/sensors (at the product/process) raw data into Aml based data. The Aml monitoring services are configured in the

design phase by using the Aml Selection engineering tool.

### Methodology

The methodology for Aml based Product-Services defines how to use information to be collected by Aml solutions and other sensors embedded in the products and other systems in order to generate various Product Extension Services, support effective selection of the Aml systems for different products and systematically define which information from Aml solutions and other sensors embedded in the products and other systems can be used for PES.

### CHARACTERISTICS OF THE SOLUTION

#### Engineering Tool:

- Technology neutral definition of Aml systems / sensors

#### Monitoring Services:

- Easy and extendible monitoring architecture

*This solution supports the user in setup and monitoring of Aml systems / sensors in a simplified way, allowing for a transparent way to select and monitor sensor data from products.*

