BPM 2017 Demo Session

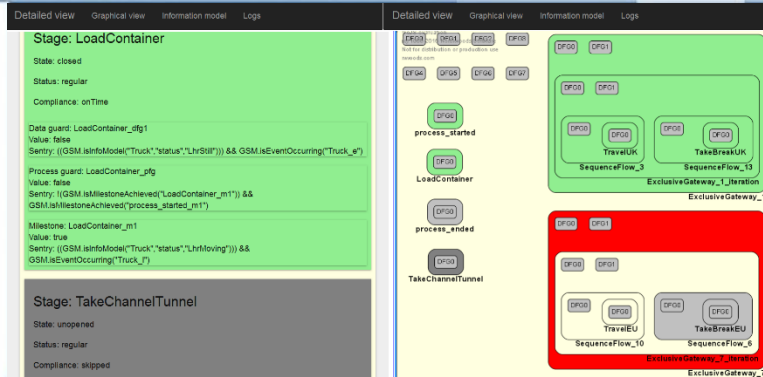**Barcelona – 13th September 2017**

POLITECNICO DI MILANO

WIRTSCHAFTS UNIVERSITÄT WIEN VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS

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mArtifact: An Artifact-driven Process Monitoring Platform

- Traditional process monitoring techniques have issues with multi-party, human-centric processes:
  - Stakeholders control only a portion of the process. They can only observe the other portions
  - A stakeholder cannot stop the process unless it coordinates with the other ones
  - When activities are not automated, humans are responsible for notifying when activities are started or finished
  - When a discrepancy between the execution and the process model arises, human intervention is required
- mArtifact uses the IoT and E-GSM to address these issues:
  - Artifacts (physical objects) altered by the process become smart
  - Alterations in the artifacts determine when activities are executed
  - An E-GSM based engine can autonomously monitor a process even after a discrepancy occurs