

Exploitable Results by Third Parties

17008 PIANiSM

Project details

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Name: PdM Module		
Input(s):	Main feature(s)	Output(s):
<ul style="list-style-type: none"> Data involving diagnostic and performance data, maintenance histories, failure data, operator logs and design data 	<ul style="list-style-type: none"> Anomaly detection remaining useful lifetime estimation probability of failure of a machine/component 	<p>Robust failure and anomaly detection to prevent failures and unplanned downtime in multi-industry domains.</p> <ul style="list-style-type: none"> A rich set of ML models - such as LSTM Networks, Variational Autoencoders, Isolation Forests, Deep Convolutional Networks etc. to predict failures and anomalies. An ML service API that allows the users to start/stop various ML processes based on their current requirements. An AutoML interface to make the users understand and observe the dynamics.
Unique Selling Proposition(s):	<ul style="list-style-type: none"> Reduction in Breakdown events Reduction in Downtime hours Reduction in Maintenance Costs Failure Prediction Better inventory management Predictable product quality Overall equipment effectiveness Faster delivery to market 	
Integration constraint(s):	<ul style="list-style-type: none"> Manufacturing companies may not have enough data. Even if they have data, they may not have accompanying failure or anomaly data. Manufacturing companies may not have enough skill set in AI and ML. 	
Intended user(s):	<ul style="list-style-type: none"> Manufacturers with different levels of need 	
Provider:	<ul style="list-style-type: none"> Erste Software Limited 	

Contact point:	▪ Şebnem Köken – sebnem@erstesoftware.com
Condition(s) for reuse:	▪ Licensing
<i>Latest update: 02.06.2022</i>	

Name: Advance Operator's Network Monitoring System		
Input(s):	Main feature(s)	Output(s):
<ul style="list-style-type: none"> ▪ Traffic Data ▪ Network topography 	<ul style="list-style-type: none"> ▪ Network status and evolution monitoring ▪ Flexibility to support different networks configurations and updates ▪ Maintenance Decision Support System ▪ Data healing and warning identification support ▪ Traffic Data Prediction 	<ul style="list-style-type: none"> ▪ Network Status and Evolution Visualization ▪ Identification of real data vs healing ▪ Links load Comparison ▪ Network Traffic Prediction
Unique Selling Proposition(s):	<ul style="list-style-type: none"> ▪ Reduction in Service Maintenance Costs ▪ Reduction in Service Downtime hours ▪ Flexibility to support different network scenarios ▪ Customizable Interface 	
Integration constraint(s):	<ul style="list-style-type: none"> ▪ Data feeding: ▪ Traffic in hourly basis (including historical registers) ▪ Network topography 	
Intended user(s):	<ul style="list-style-type: none"> ▪ Telecommunication Operators Managers and Maintenance Teams 	
Provider:	<ul style="list-style-type: none"> ▪ Experis Manpowergroup 	
Contact point:	<ul style="list-style-type: none"> ▪ rdnotif@experis.es 	
Condition(s) for reuse:	<ul style="list-style-type: none"> ▪ Licensing 	
<i>Latest update: 16.06.2022</i>		

Name: Platform 360 Big Data Platform		
Input(s):	Main feature(s)	Output(s):
<ul style="list-style-type: none"> ▪ Sensor detail information ▪ Server information ▪ State analysis ▪ Machine information 	<ul style="list-style-type: none"> ▪ Asset Management ▪ Organization Management ▪ Group Management ▪ Location Management ▪ Data Acquisition ▪ Subscription / Notification ▪ Rule Management ▪ User & Role Management ▪ Tenant Management ▪ Customizable Actions 	<ul style="list-style-type: none"> ▪ Data Monitoring ▪ Dashboard Widgets ▪ Alarm Reports ▪ Bottleneck Report ▪ Cycle Time Report ▪ Jobs Per Hour (JPH) Report
Unique Selling Proposition(s):	<ul style="list-style-type: none"> ▪ One data Platform ▪ Standardized (MQTT, One M2M etc.) and open-source (Cassandra, Redis, Elastic Search, Rabbit MQ, TimeScaleDB.) technologies ▪ Cloud, On prem or Hibrit server possibilities ▪ Different protocol communication with Gateways (OPC UA) ▪ Quick market adaptation ▪ Adding Customer Value ▪ Different industry verticals ▪ 3rd party communication & integration with SDKs and APIs ▪ Scalable, extensible, robust infrastructure ▪ No 3rd party license requirement ▪ Support different network technologies ▪ Cross domain integration ▪ Easy industry 4.0 transformation & Digital twin capability 	
Integration constraint(s):	<ul style="list-style-type: none"> ▪ Infrastructure & Network problems ▪ Older machines do not support to give data ▪ 	
Intended user(s):	<ul style="list-style-type: none"> ▪ Manufacturing companies ▪ Mining companies 	
Provider:	<ul style="list-style-type: none"> ▪ KocSistem or KocDigital 	
Contact point:	<ul style="list-style-type: none"> ▪ Serkan Tosun – serkan.tosun@kocdigital.com 	
Condition(s) for reuse:	<ul style="list-style-type: none"> ▪ Commercial Licensing 	

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Name: Platform 360 PdM module		
Input(s):	Main feature(s)	Output(s):
<ul style="list-style-type: none"> ▪ Aggregated enough suitable Data ▪ Maintenance Information ▪ Error Information ▪ Field Know-how 	<ul style="list-style-type: none"> ▪ Data preparation ▪ Data Mining ▪ Model Management ▪ Anomaly Detection ▪ Rule Engine ▪ Supports different AI models ▪ Simulation capability 	<ul style="list-style-type: none"> ▪ PdM Reports ▪ Prediction of Failures ▪ Maintenance Plan
Unique Selling Proposition(s):	<ul style="list-style-type: none"> ▪ Improving MTTR ▪ Improving MTBF ▪ Maintenance Cost saving ▪ Longer machines usages ▪ Data driven perspective of the company ▪ AI and ML technology usage Chance 	
Integration constraint(s):	<ul style="list-style-type: none"> ▪ Lack of enough suitable data ▪ Lack of enough failure data ▪ Lack field/domain know how 	
Intended user(s):	<ul style="list-style-type: none"> ▪ Companies that have machines which need maintenance often 	
Provider:	<ul style="list-style-type: none"> ▪ KocSistem or KocDigital 	
Contact point:	<ul style="list-style-type: none"> ▪ Serkan Tosun – serkan.tosun@kocdigital.com 	
Condition(s) for reuse:	<ul style="list-style-type: none"> ▪ Commercial Licensing 	

Latest update: 02.06.2022

Name: Platform 360 API's		
Input(s):	Main feature(s)	Output(s):
<ul style="list-style-type: none"> ▪ Live sensor data ▪ Historical data ▪ Asset-telemetry name structures 	<ul style="list-style-type: none"> ▪ Asset management ▪ Rule engine ▪ Configurable actions (e-mail etc.) ▪ Template model to connect to P360 	<ul style="list-style-type: none"> ▪ Telemetry reports ▪ Rule and action reports ▪ PdM model Output
Unique Selling Proposition(s):	<ul style="list-style-type: none"> ▪ Quick implementation of model with a containerized and p360 connected model template on Python ▪ Custom configurations via Asset management API to manage different type of data formats and assets in the same platform ▪ Rules and alerts via API's to take actions to an undesired situation in seconds 	
Integration constraint(s):	<ul style="list-style-type: none"> ▪ Technical knowledge and documentation on Platform360 ▪ ML OPS knowledge for uploading model image to Platform360's container registry service. 	
Intended user(s):	<ul style="list-style-type: none"> ▪ Companies that have machines which need maintenance often or companies that have remote assets to be managed. 	
Provider:	<ul style="list-style-type: none"> ▪ KocSistem or KocDigital 	
Contact point:	<ul style="list-style-type: none"> ▪ Serkan Tosun – serkan.tosun@kocdigital.com 	
Condition(s) for reuse:	<ul style="list-style-type: none"> ▪ Commercial Licensing 	
<i>Latest update: 02.06.2022</i>		

Name: ECMON		
Input(s):	Main feature(s)	Output(s):
<ul style="list-style-type: none"> Sensor data 	<ul style="list-style-type: none"> Equipment and component data mapping User-Centered Design and Interaction Real-time and historic data charts Provides alerts and warnings of critical values from the machines 	<ul style="list-style-type: none"> Provides historic sensor data Provides real-time sensor data Provides machines alerts
Unique Selling Proposition(s):	<ul style="list-style-type: none"> Enhanced Data Exploration (real-time and history data) Plug & Play Web-based Customizable Widget-based interface 	
Integration constraint(s):	<ul style="list-style-type: none"> Machines should be equipped with sensors 	
Intended user(s):	<ul style="list-style-type: none"> Companies that require monitorization of the industrial machines 	
Provider:	<ul style="list-style-type: none"> Sistrade, Software Consulting S.A. 	
Contact point:	<ul style="list-style-type: none"> ricardo.martins@sistrade.com 	
Condition(s) for reuse:	<ul style="list-style-type: none"> Not for reuse without express Sistrade consent – conditions to be negotiable 	
<i>Latest update: 02.06.2022</i>		