



EVOLUTIO

EVOLUTIO nary Accelerator for Continuous Segment Growth

Name of the Service/Application

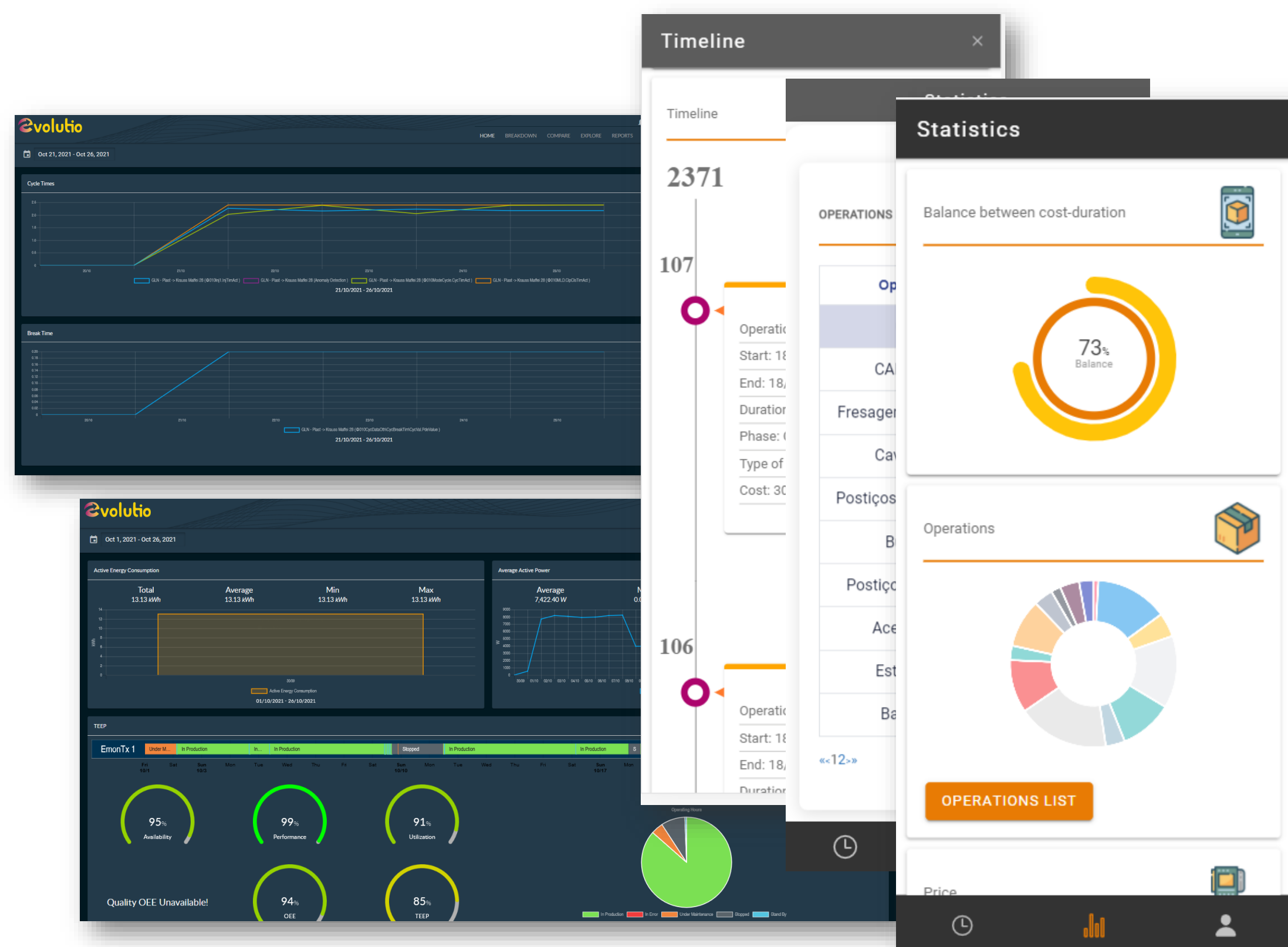
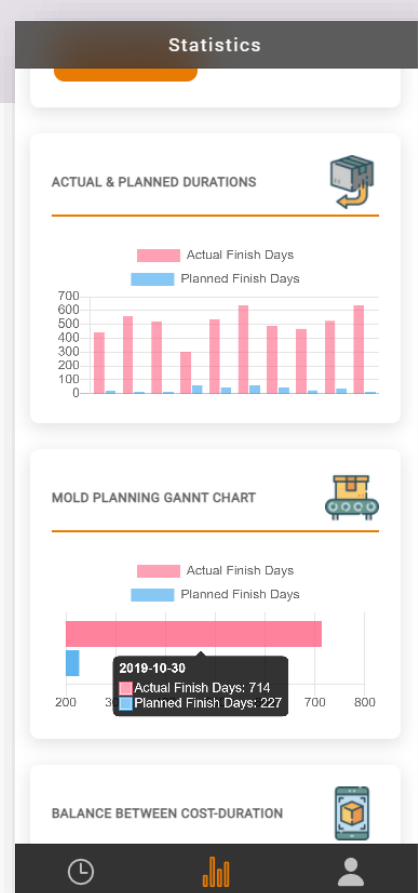
EVOLUTIO solutions presents two tools for preventive and efficient production management and a mobile App for easy interaction with customer and manufacturing progress reporting.

Features

- Safe and fast data exchange using the IDS true connector
- Increased Security using HTTPS and OAUTH
- Cross-platform development; simultaneously compatible with several operating systems (Android, IOS) and Role Based Access
- Data analysis with user-friendly and attractive charts, to help user discover useful information for business decision-making
- Big data visualization with simplification of complex workflows but also cover the entirety of the data-consumption process.
- Integration of complex algorithms that draws conclusions about each order

Benefits

- Agile communication process between supplier-costumer
- Easy visualization of the manufacturing progress status
- Secure data Exchange using IDS Connectors
- Procurement management process improvement
- Production management improvement
- Production Scrap and Downtimes Reduction



Application validation

KPI1 - 12% increase in productivity
Upward trend of ~ 14%

KPI2 – 8% increase in business volume
Business volume forecast ~ 9,5%, within the next 12 months

APP TOOL

Mobile application for Production Progress Reporting

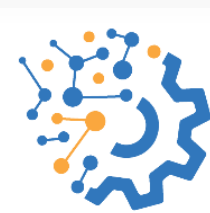
MANAGEMENT TOOL

Algorithmic analysis of the productive dataset

KPI3 – Development of at least 2 unsupervised AI and ML Algorithms
1 unsupervised and 1 semi-supervised AI algorithm

KPI4 – Access to progress reports by at least 100 users at the same time, without blocking or any kind of struggling:

- 101 users at the same time, no issues, breakdowns and still greater than 99%.



MARKET4.0

CONNECT & PRODUCE

Acknowledgment

This work has been performed in the context of the EVOLUTIO project, an open call #1 winner of the H2020 MARKET4.0 project (market40.eu), with participation of

- GLN MOLDS, <https://glnmolds.pt/>
- GLN PLAST, <https://glnplast.pt/>
- Energy@Work, <https://www.energyatwork.it/>
- PRAGMA-IoT, <https://pragma-iot.com/>

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The H2020 MARKET4.0 project develops an open multi-sided digital platform for enabling production equipment and service providers to connect and work together with manufacturing companies. The MARKET4.0 platform enables new business, based on value-adding interactions among the production equipment and service providers and their customers while at the same time provides an open and participative infrastructure for these interaction