



COMPANY PRESENTATION

# Capitalizing on data



# Data Analytics

“ CEO Automotive Industry  
I seek to **differentiate** myself from the competition

“ Steel Industry Plant Manager  
I need to **improve the quality** of the parts I produce

“ Chief Engineer Electronics Industry  
I want to **increase the performance** of the product stations

“ HR Manager Food Industry  
I want to **reduce absenteeism** from work

# Data Analytics is the solution to these and other problems faced by the Industry in its different sectors

Through engineering services and development of digital solutions, at **AppliediT** we respond to the needs of your company, taking it to the next level.

	Signal 1
01	0.07439732576574602
02	-0.7270510148931437
03	0.18407370006119317
04	-0.16931094815632858
05	0.18022218704953444
06	0.029146847546478002
07	-0.2056019372359461
08	-0.39241313262839167
09	0.06224989497345516
10	0.5803482271119698
11	0.4129902075825995
12	-0.1061368742045264
13	0.07439732576574602
14	-0.13223140113688203



# About AppliediT

# Experts in solving problems through data analytics

We work closely with companies to **identify areas for continuous improvement**. We develop products and services for a **continuous improvement of manufacturing processes**.





Inter  
Connectivity



Engineering and  
Training services



Customized  
solutions



Advanced  
Analytics



Machine  
Learning



Predictive  
Models

# Solutions provider for **Industry 4.0**

**AppliediT** provides world class data solutions applications that goes from lean visualization platforms to advanced analytics tools to sophisticated Machine learning modules, successfully **applied to industry complex processes.**

# Trusted by Industrial Leaders



AIRBUS



NEUMAN  
ALUMINIUM

AIRTIFICIAL

+GF+

B/S/H/

ivoclar  
vivadent

vitescO  
TECHNOLOGIES

Eberspächer

ALLGAIER

FARO



RECARO

JTEKT

handtmann

DRÄXLMAIER



Lindner

STELLANTIS

kiekert



SCHUBERTH



aumann

MARQUARDT



thyssenkrupp



# AIRBUS

“

AppliediT is a **reliable and efficient** development partner that truly understands their clients' needs. They deliver **tailor-made solutions that perfectly fit the business requirements**, with a customer-centric approach and an agile development process.

**Maria Elisa Martín Zapatero**  
HO Manufacturing Engineering ODCM  
(Illescas Plant, Spain)





# Continental

“

With a **team of professionals and state-of-the-art big data analytic tools**, AppliedIT boasts a proven track record in nurturing continuous improvement. Their expertise consistently drives enhancements in agreed-upon **focus areas and projects, empowering companies to achieve greater operational excellence.**

**Máté SZLOBODNYIK**

Focus Factory ETCM segment leader



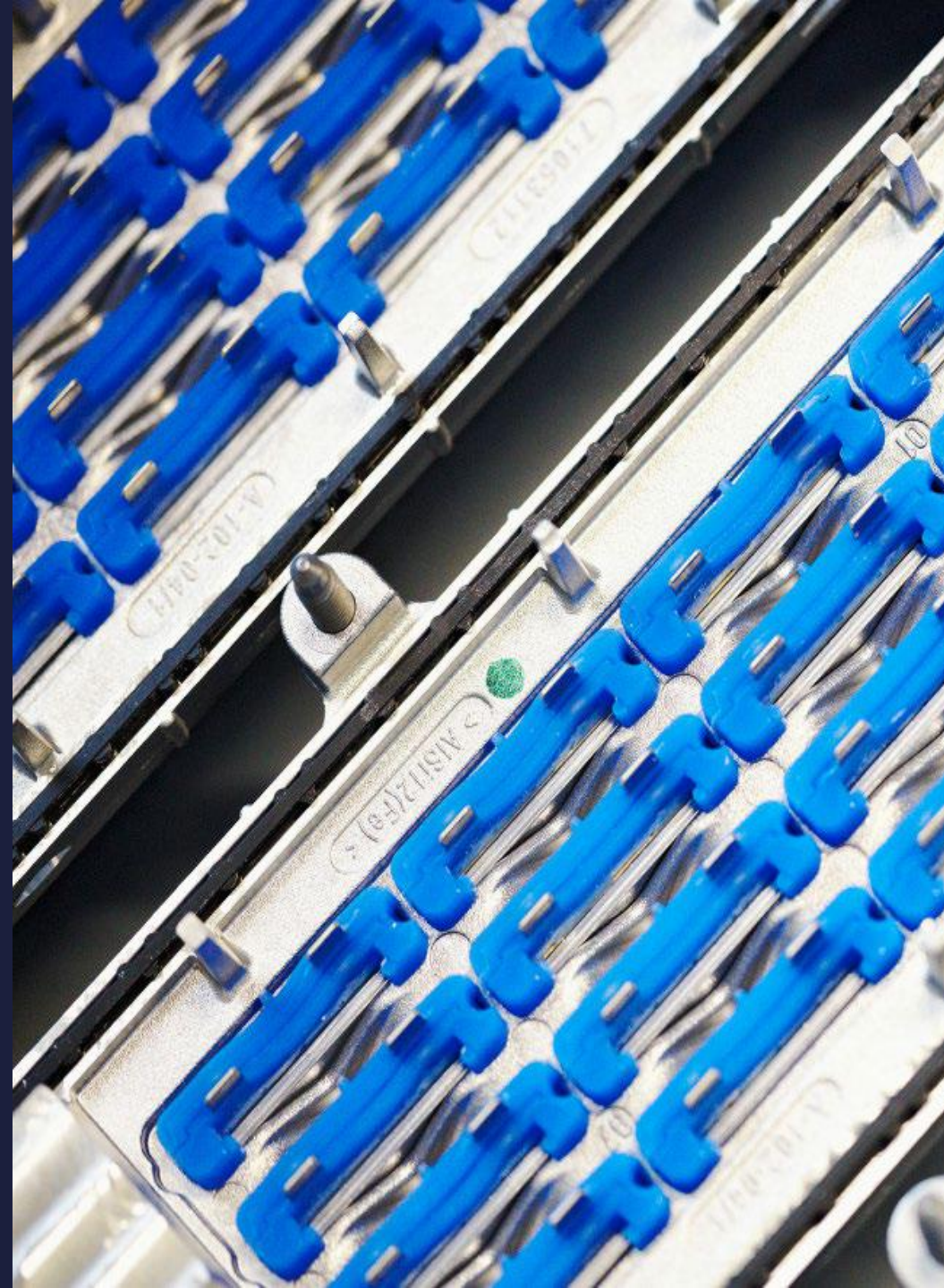
Eberspächer

“

AppliediT delivered **customized solutions** that **perfectly meet our business requirements**. Their expertise and professional advice were **extremely valuable**. The **collaboration was efficient and results-oriented – a first-class experience**.

Marcel Neumann

Global Manufacturing Technologies & Opex Electrical Heaters





# STAUFEN.

“

AppliedIT is a **very competent and highly customer-centric development and implementation partner.** For Staufen, collaborating with the AppliedIT experts is very enriching to our Service portfolio in the field of manufacturing and HR data analytics.

Alexander Wagner  
Partner at STAUFEN.

**We automate the  
processes to be able  
democratize your  
data analytics**



# Projects **around the world**

A dark blue world map is centered in the background. Red dots of varying sizes are scattered across the map, primarily concentrated in North America, Europe, and Asia, representing the global reach of the projects.

**+25** years of  
experience

**+15** countries

**+100** completed  
projects

**\$600** mill benefits  
generated

# Top-tier **Global partners**

**AIRTFICIAL**



**Microsoft**

**STAUFEN.**



**Effectivity<sup>®</sup>**

**Solve**  
advisors group



**CIMNE<sup>®</sup>**



**FSP GROUP**



**AUTOMATION<sup>™</sup>**  
**ANYWHERE**



# Our mission





Discover the **power of the data** that you don't value from your company

# We create **value** through data

## Inputs



### Management tools

Salesforce, SAP, RP Data...



### Files

Excel, CSV, TXT...



### Databases

SQL Server, Oracle, MySQL...



### Machine Data

Zeiss, Profinet, OPC Foundation...



## Data normalization

## Output

Indexed data, related and optimized tables, access speed improved...



## RTM Pro

## Benefits

Identification, inefficiencies, potential gaps, predictive model, automated to delve into the processes, part breakdowns...



# Capitalizing on data

In **AppliediT** we are expert in extract the maximum value of your data. There are a significant amount of data is left unused, which can represent a missed opportunity for companies to **improve their operations and make better decisions.**

“ Harvard Business Review  
**The average company only analyzes about 37-40% of the data it collects.**

“ Forbes Magazine  
**Only 12% of companies are using more than half of their data.**

**Our mission it's help  
you to capitalize your  
data to reach success**



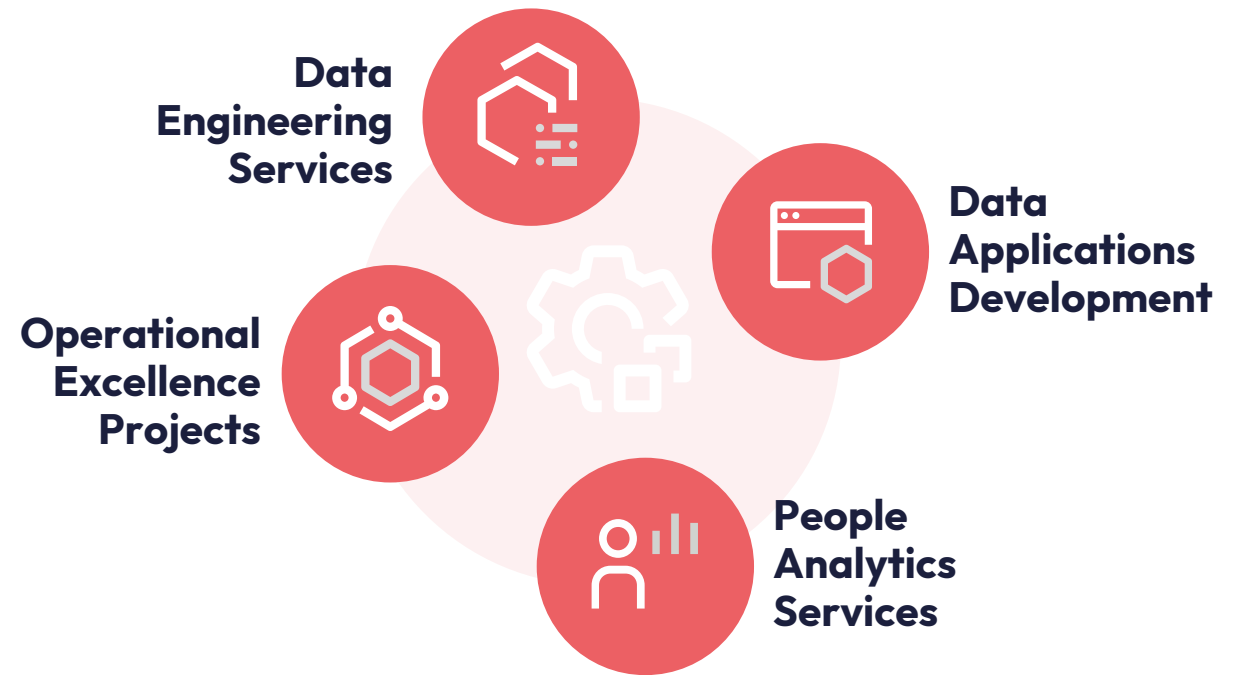


**Services**

# We add **value** to your company

We offer comprehensive services that **helps businesses improve their operations** and stay ahead at the **Industry 4.0**.

By providing **efficient operation management** for businesses of all sizes, we help **save time, money,** and **boosts productivity**.





# Operational Excellence Projects

This service can be a valuable way to **improve an organization's performance.** They can help organizations to reduce **costs, improve quality, and increase customer satisfaction.**



## AREAS OF ACTION

- Advanced analytics for data packages
- Structured Problem Solving
- Root cause analysis
- OEE Improvements
- Scrap reduction
- Cycle time optimization
- Lean management for direct and indirect processes



# Data Engineering Services

Set of services that help businesses **collect, store, and analyze data.**

They can be used to build data pipelines, create **data warehouses**, and develop **data analytics applications.**



## AREAS OF ACTION

- Data acquisition
- Data transformation
- Cloud management
- PLC connections
- RPA (Robotic process automation)
- Data base development and management





# Data Applications Development

Process of creating **software applications** that use data. These applications can be used for a variety of purposes, such as **data analysis, data visualization, and data mining.**

```
31
32 self.file = None
33 self.fingerprints = set()
34 self.logdupes = True
35 self.debug = debug
36 self.logger = logging.getLogger(__name__)
37 if path:
38     self.file = open(os.path.join(path, "requests.log"),
39                     "a")
40     self.file.seek(0)
41     self.fingerprints.update(fingerprint(request) for request in requests)
42
43 @classmethod
44 def from_settings(cls, settings):
45     debug = settings.getboolean("DEBUG", False)
46     return cls(job_dir(settings), debug)
47
48 def request_seen(self, request):
49     fp = self.request_fingerprint(request)
50     if fp in self.fingerprints:
51         return True
52     self.fingerprints.add(fp)
53     if self.file:
54         self.file.write(fp + os.linesep)
55
56 def request_fingerprint(self, request):
57     return request_fingerprint(request)
```

## AREAS OF ACTION

- Dashboards
- Web forms for paperless initiatives
- Advanced analytics
- Traceability, MES
- Quality Digital app
- Logistics monitoring
- Machine learning modules



# People Analytics Services

Services that help organizations **collect, analyze, and interpret data** about their employees. This can be used to improve a wide range of HR processes, including hiring, training, performance management, and retention.



## AREAS OF ACTION

- Data-driven Decision Making
- Talent Acquisition and Retention
- Performance Optimization
- Employee Engagement and Satisfaction
- Succession Planning & Leadership Development
- Diversity and Inclusion
- Cost Optimization
- Compliance and Risk Management



# Products

# Extract and analyze **your data**

Designed for industrial processes **data analytics**, and adapted to the different needs of your company



**RTM Pro**  
Manufacturing Analytics



**RTM Lite**  
KPI Monitoring



**TransFlow**  
Transactional Analytics



**DefectMap**  
Defectology

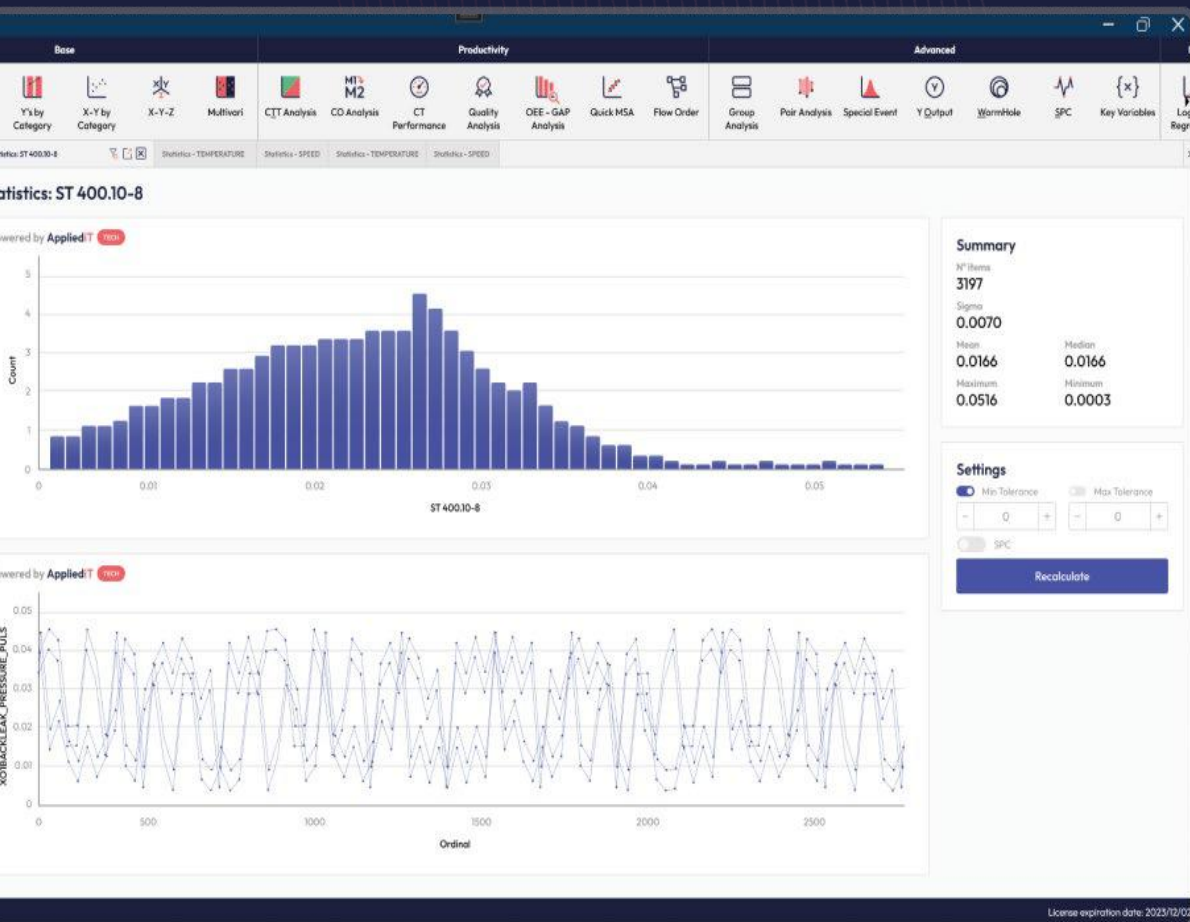


**Function Model**  
Human Knowledge Structuring



# RTM Pro

Get Ready to capitalize your data



Improve your company's **decision-making** with the **analysis of your data in real time.**

**Solving problems in industrial environments is easier and faster** with our data analytics platform.

# A suite of tools to discover the **root cause** of problems

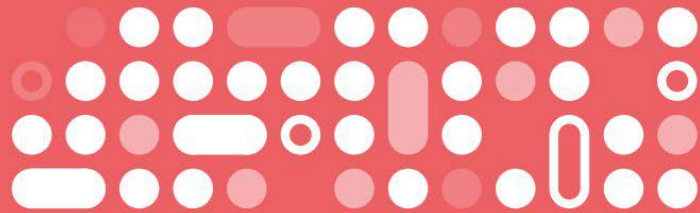
RTM Pro is “in data base” software analytics platform specifically developed for problem solving in the manufacturing environment.

The result is that knowledge is obtained without expert statisticians, engineers, or IT gurus thus enabling many more people in your organization to navigate through vast data to identify trends, correlations, key indicators, and root-cause.



# Discover the **value** of your data

Advanced functions for one-click data analysis



## Transparency

Possibility to visualize each manufacturing process.



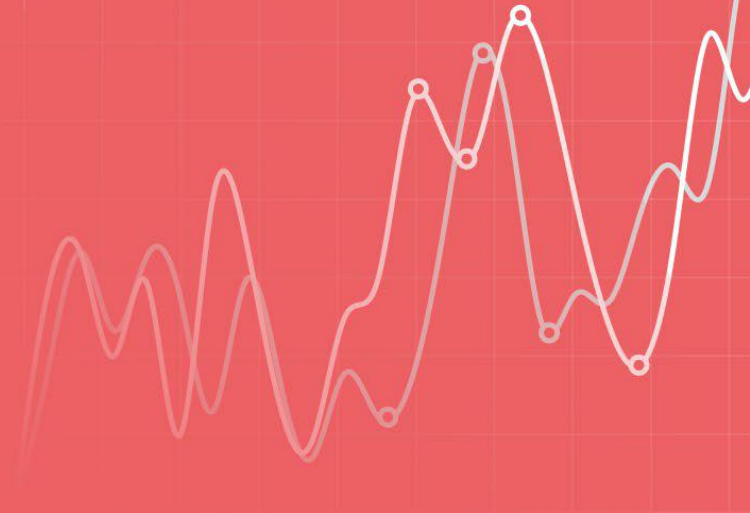
## Problem-solving

Creation of innovative processes and cultivation of problem-solving skills.



## Cost reduction

Problem solving reducing non planned costs with right decisions.



## Prediction

Helps to predict the future and optimize processes using AI.





# Boost your analyzes with Artificial Intelligence and Machine Learning



Increased  
production



Cost  
reduction



Quality  
improvement

# RTM Pro and its suite of AI tools to improve your data analytics in real time

Discover where the **bottlenecks** are in your manufacturing processes, how to improve the productivity of your assembly line by locating **unplanned machine stops**, how to improve the quality of manufactured parts through defined patterns, or create **predictive models** to plan their production.

# RTM Pro's modular system allows you to adapt its features to your requirements

From essential data analytics modules to modules for expert analysts, RTM Pro is configured at the user level by activating only the module package you need.

You have four different modules of data analysis tools available designed for different levels and work environments. Choose only the ones you need now and expand them in the future depending on what you need.



Base  
Module



Productivity  
Module



Advanced  
Module



Machine Learning  
Module

# Certifications in advanced analytics

Become an ambassador and expert of our data analysis software.  
We offer training and certifications at different levels for the RTM Pro.

	Advanced	Expert	Master
Available Trainings	<ul style="list-style-type: none"> <li>✓ Introduction &amp; Basics</li> <li>✓ Import Excel File</li> <li>✓ Connection &amp; Configuration</li> <li>✓ Filters</li> <li>✓ Run Chart &amp; Histogram</li> <li>✓ Pareto Analysis</li> <li>✓ X-Y Linear Regression</li> <li>✓ X-Y-Z</li> <li>✓ CTT Analysis (Production Time)</li> </ul>	<ul style="list-style-type: none"> <li>✓ Wormhole – ADA Engine</li> <li>✓ Capability Analysis (Cp, Cpk)</li> <li>✓ Y's By Category</li> <li>✓ Multivari</li> <li>✓ Trend (running average)</li> <li>✓ DBScan Clustering</li> <li>✓ X-Y by Category</li> <li>✓ Group Analysis</li> <li>✓ Pair Analysis</li> <li>✓ Special Event Search</li> </ul>	<ul style="list-style-type: none"> <li>✓ SPC &amp; SPC Monitoring</li> <li>✓ Key variables - Report</li> <li>✓ Key variables – War room</li> <li>✓ Multiple Linear Regression (MLR)</li> <li>✓ Principal Component</li> <li>✓ Analysis (PCA)</li> <li>✓ Golden Path Flow</li> </ul>
Requirements	<ul style="list-style-type: none"> <li>✓ Attendance</li> </ul>	<ul style="list-style-type: none"> <li>✓ Attendance</li> <li>✓ Test</li> </ul>	<ul style="list-style-type: none"> <li>✓ Attendance</li> <li>✓ Test</li> <li>✓ Internal project</li> </ul>

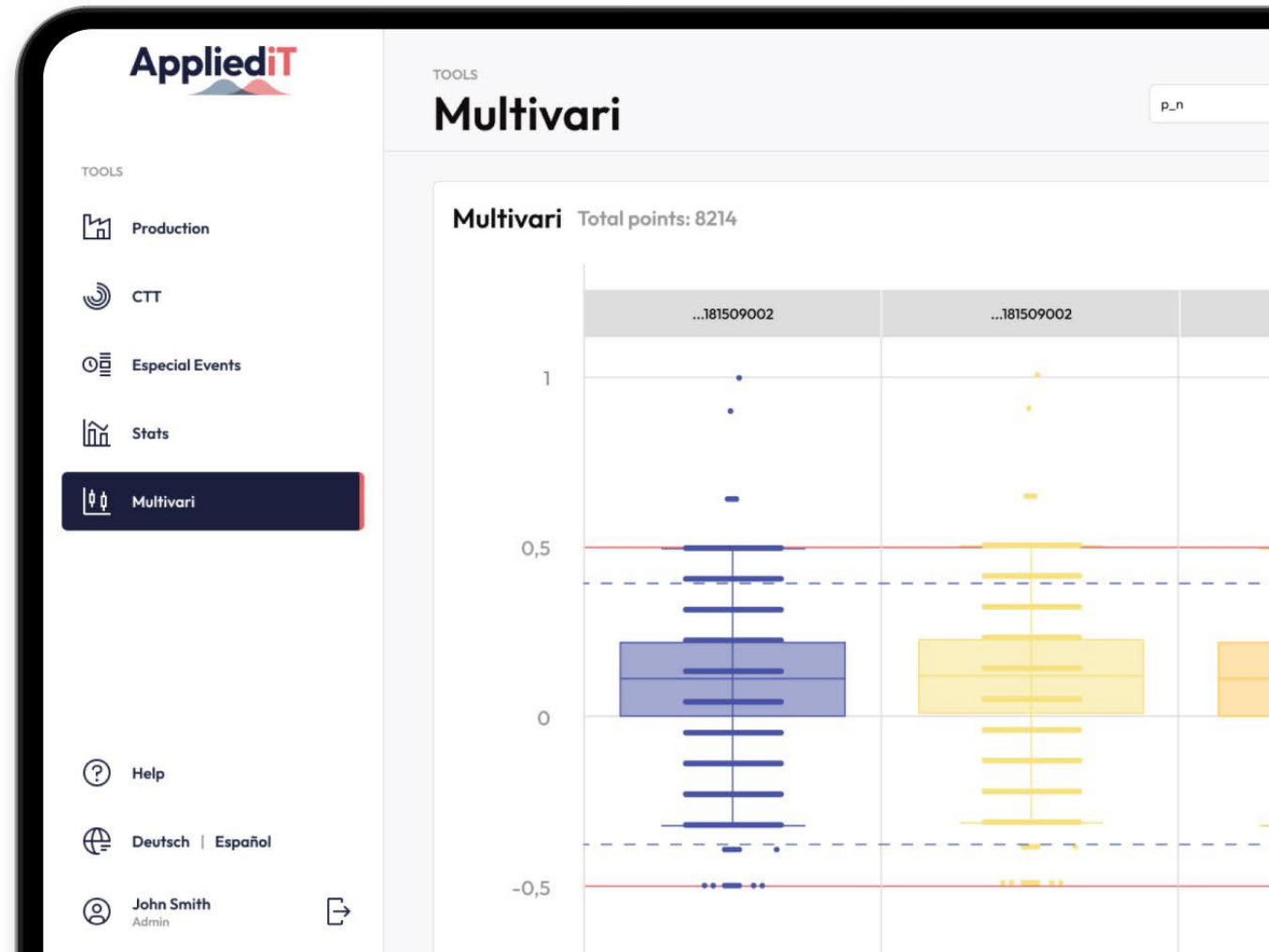


Real-Time data analytics in the Cloud accesible from your browser.

# Our most accessible Data Analytics suite

It is a web-based solution to **provide additional insights** which can give a better breakdown of **high level KPIs** and go down to the machine level to identify root cause.

All these powerful features are achieved through **dynamically linked graphs** and simple mouse clicks.



# RTM Lite

## Advantages

Get **valuable information**, which will allow you to make more **informed decisions** and **improve your performance**.

RTM Lite, being a web-based data analytics-ready software, will offer you great advantages.



### Efficiency

Perfect ally of business making teams and results in more efficient processes by reducing time and cost.



### Intuitive

Reduction in time analyzing and interpreting data through highly intuitive graphical results.



### Decision making

Simple and practical interface/elements designs that helps at making decisions directly.



### Accessibility

Discover, track, and unify relevant data through dashboards and graphs simply and quickly.



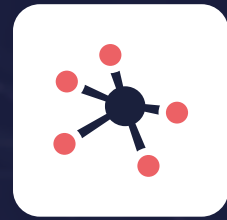
### Prevention

Error detection, facing problems and acting in advance to prevent problems.



### App in Cloud

Cloud software. Access RTM Lite from any device simply with internet access and a browser.



# TransFlow

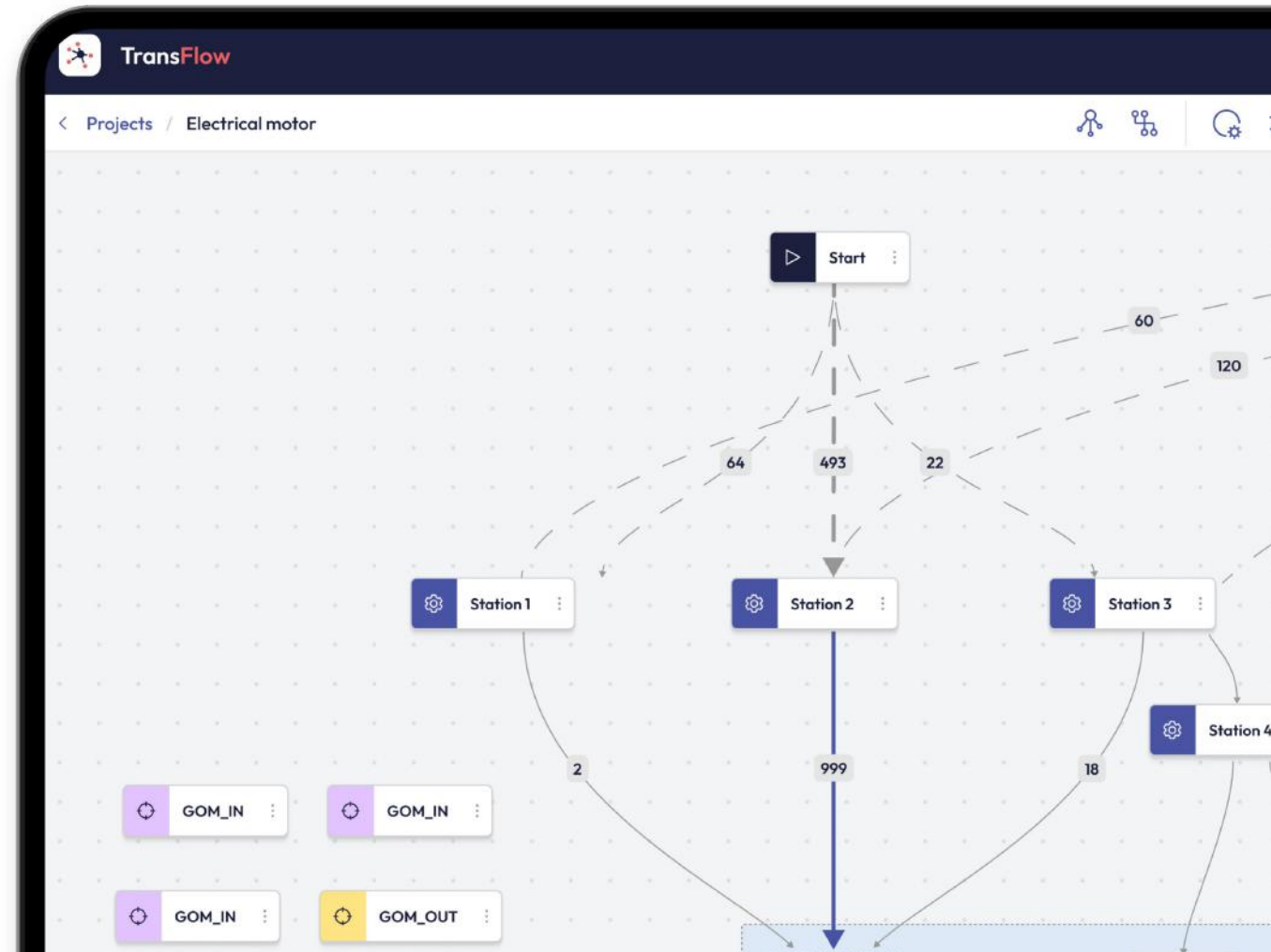
Visualize flows between different stations of a large number of products.



# Identify losses, optimize your processes, get more transparency, **enhance your profitability**

**TransFlow** is an application that monitoring all the transactional data within every process.

It allows you to **detect possible bottlenecks in the transaction** and it also uses advanced analytics in order to highlight which are the fastest processes.



# Benefits of TransFlow

Software with **advanced flow visualization features** can provide a **clear and concise overview of how products move through different stations**. Identify bottlenecks, problems, and opportunities for improvement.

A valuable investment for any organization looking to improve its production processes.



## Reprocessing

Improve efficiency, respond to changes in conditions and guarantee the validity of the product/service with reprocessing in processes with many repetitions.



## Improvement

Identifies widely used process stations to identify areas of improvement in your processes. Take measures to optimize processes and improve their efficiency.



## Bottlenecks

Detecting bottlenecks can have a significant impact on the performance, efficiency and profitability of your company.



## Decision Making

Identify trends and patterns through data collected by advanced flow visualization features. Make informed decisions about how to improve your performance.



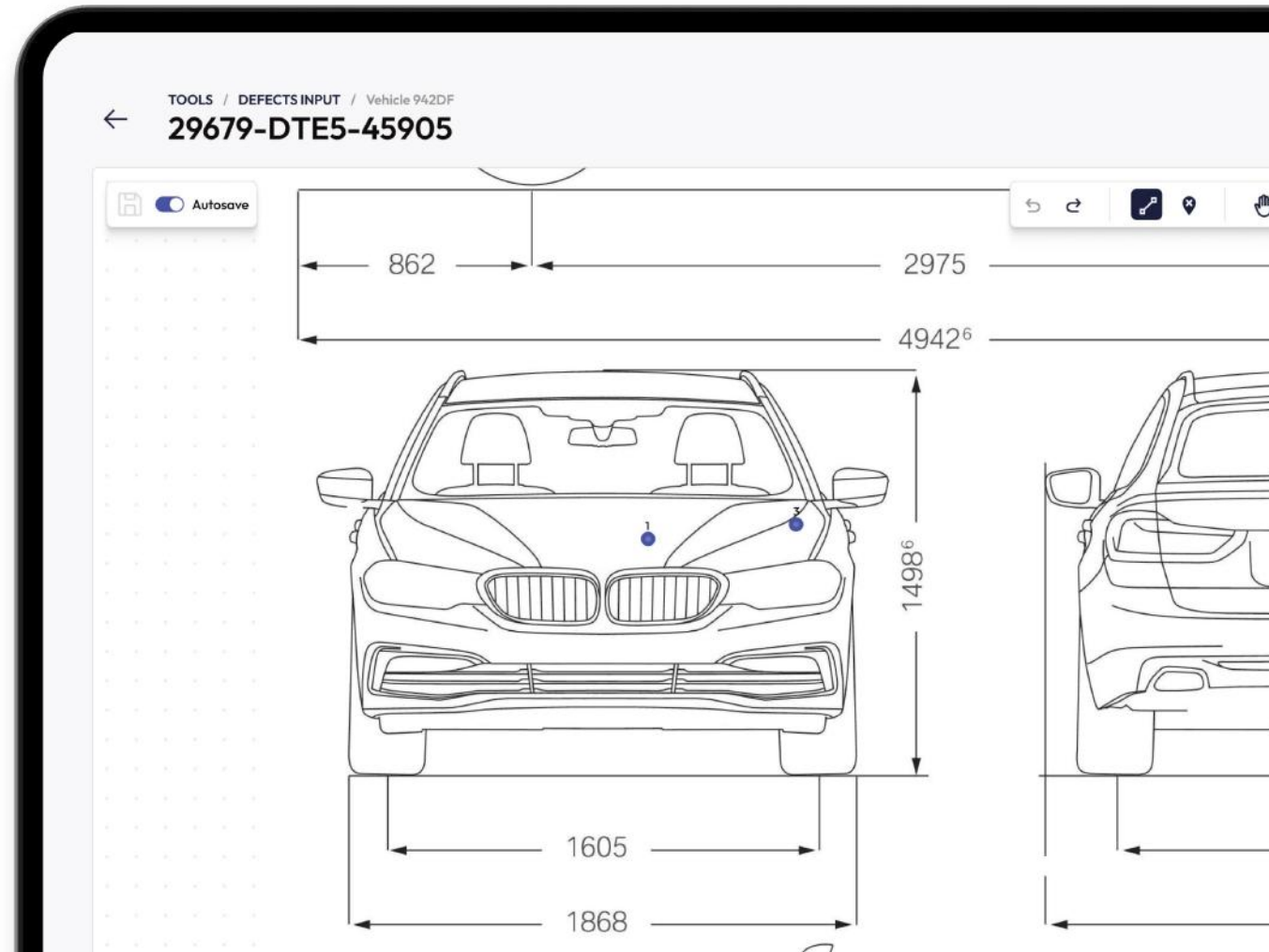
# DefectMap

Digital Defectology Analysis of pieces and defects

# Register **defects** in pieces and keep track of them

**DefectMap** allows you to view all part defects in a simpler way.

Artificial vision techniques are used to **detect and classify defects in industrial parts**. DefectMap can be used to inspect a wide range of parts.



# All the advantages of DefectMap

Detects where most failures **occur and reduce costs**. Part defect visualization software is a valuable tool that **can help companies improve product quality, reduce costs, improve safety, and increase customer satisfaction**.



## Find bugs

Being able to detect the most common failures allows you to reduce costs. Register defects in parts and save analysis of them.



## More information

Discover more information about the production process. Improves the quality of producers and services, reduces costs, improves productivity...



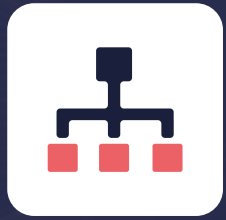
## Health maps

Helps your organization better understand the nature and location of defects. Identify the root cause of defects and take correct measures.



## Improves quality

The quality of the products is a key factor for success. High quality products lead to more sales and greater satisfaction.



# Function model

Simplify your projects. Manage your ideas, make them easier and more intuitive.

# Manage diverse projects and create decision trees

**Function Model** is a system which can manage diverse projects. It is possible to create decision trees, attach media or create metrics with the parents and children.

It combines also a user management to create work teams and analyze together every single project.

The screenshot displays the 'Function Model' software interface. The top navigation bar includes a home icon, the title 'Function Model', and a breadcrumb trail 'Projects / Conquest the World'. A toolbar on the right contains icons for zoom, chart, user, search, refresh, and a menu. The main workspace is a grid with a decision tree structure. A sidebar on the left lists project items, including 'Lorem vestibulum', 'Quick relaxation | high-level', 'Plan attached charts hear', 'Stronger too design six room', 'Looking will only done time flesh', 'Beforehand let we one last', 'Race giant first / welcome', 'Minimize member organic', 'Supervisor donuts rehydrate', 'Accountable globalize users', 'Algorithm data viral own', 'Ground working underlying', 'Charts finance view email', 'Catching event group loss', 'Us wanted or race finance', 'Silently existing loss', 'Donuts event | cross-', 'Drawing-board driving red-', 'Email container or reinvent', and 'T-shaped hits strategies not'. Two data panels are visible: '01 Priority: 1' with a text block and '02 Priority: 1' with a 'Noise Measurement Ratio' chart and a table of metrics.

Metric	Value
No. Items	0
Angle	0
Noise	0
Signal 1	0
Signal 2	0
SN-Ratio 1	0
SNRatio 2	0

# Function Model

## Benefits

Nowadays, there are **projects** that can be **complex and require the coordination of several teams** and resources.

Improve the organization of your main ideas, work as a team and store any information



### Efficiency

Manage through Transflow, can help companies organize and track ideas, saving time and resources



### Communication

Helps companies communicate ideas effectively with customers and within the organization.



### Work Team

Allows you to share ideas between teams. Thanks to this, problem solving is improved.



### Track Process

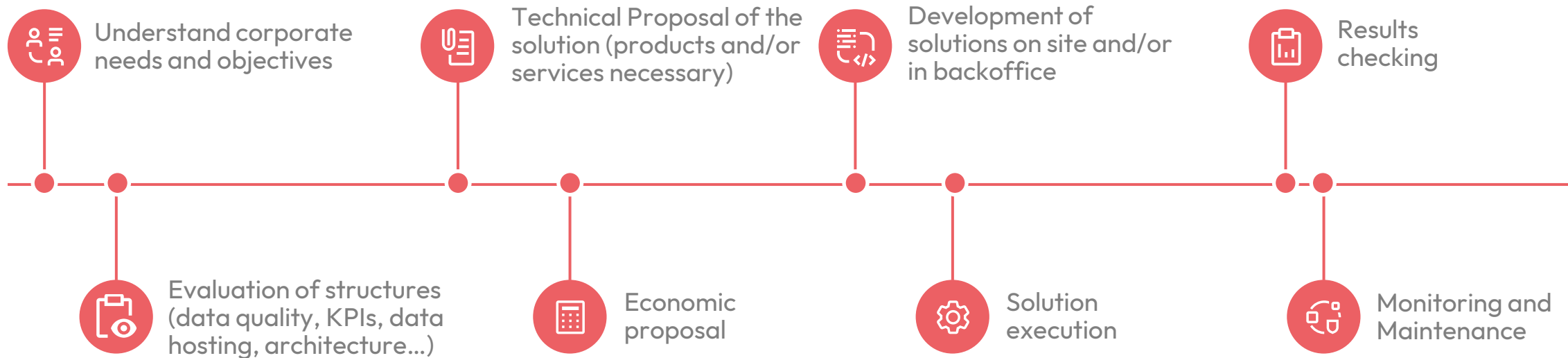
Help teams track the progress of projects, which can help identify problems and take corrective actions.





# Timeline

# A **workflow** that involves all responsible parties





# Takeaways

# Benefits for your company

## What are our **added values** and the **advantages** we offer?



### Data into knowledge

AppliediT helps companies to transform data into knowledge achieving top performance competitiveness.



### Data engineering services

AppliediT provides data engineering services for data restructuring and complex data transformation into simplified real time data ecosystems.



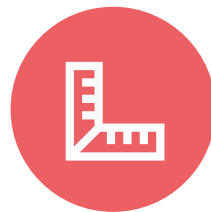
### World class data solutions

AppliediT provides world class data solutions applications that goes from lean visualization platforms to advanced analytics tools to sophisticated Machine learning modules, successfully applied to industry complex processes.



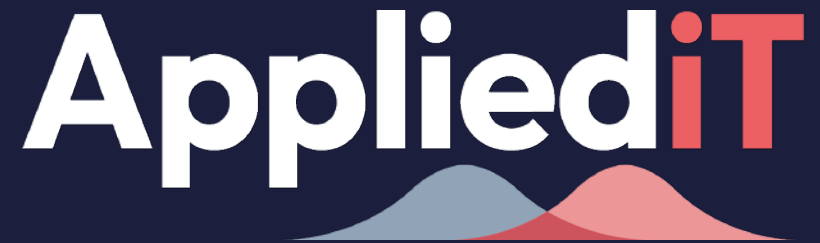
### Real time data

AppliediT is a solution technological provider that helps customers to access to Real time data for continuous improvement activities and more efficient decision making.



### Own adapted solutions

AppliediT team is a multifunctional group of experts that adapts owned solutions on every project, customer, process to the customer needs.



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