Dynamic Big Data Processing Architecture:
From ANY DATA to BUSINESS VALUE

Nissatech innovation centre

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Any data, from anywhere

A lot of things produce data these days: phones, online streams, production plants or written reports. We have experience to handle any of them.

Junk
Even junk may pass through, but no worries. We'll clean that up in just a second.

Packaging
Data, and more important, **context**, are packaged in standardized boxes and forwarded away.

Ingestion
The data, no matter how diverse it is, gets transformed into streams and starts its trip through the system.

Loading
Distributed workers carefully load the data into the database cluster for querying, analytics and any further use. We store raw data events, so we can get back to them and execute any new and innovative procedure.

The gateway
Load balancing, security and data sanitation are a vital part of the processing.

Databases
We apply polyglot persistence techniques to always find the most suitable way to store your valuable data. Their availability is key for stable operation, and that is why we use modern, up to date SQL and NoSQL solutions.

The smart stuff
The pinnacle of our architecture is the possibility to execute advanced analytics and machine learning algorithms on your present and past data, everything run on powerful clusters. Results are being also stored into the database cluster for future use and refinement.

Real time
Some things need your immediate attention. This is why we use stream and complex event processing to detect situations of interest.

Results
All of the fine results, like trends, risks and predictions are shown with intuitive visualizations in the browser. All helping you achieve your business goals!

Business value
Utilize the newfound data value and profit!

Contact us, and let's explore your business together!