Business Intelligence Solution With 14 Real-Time Dashboards For a US Software Company

How adopting Power BI and crafting 14 custom company-wide and

instinctools

unit-specific dashboards empowered an IT company to fully automate data collection operations, save up to three days per month on report preparation, uncover and fix blind spots in their sales pipeline, increase post-clarification call conversions by 44%, and drive sales by 9,6% within just six months.

Domain: Service Company (Software Engineering)

Team:

Power BI developers, DevOps engineers, QA engineers, Business Analyst, Software Architect, Project Manager

Challenge

once and for all. The best thing you can do is to keep up with a rapidly changing world by constantly developing new solutions and improving the existing ones. Our customer's company was growing very fast (+30% annually) and their methods of data management and analysis were getting outdated and were no longer

An IT provider is expected to be digital by default. But it's impossible to become digital

meeting their needs. The heads of the company felt that they did not possess the entire information about the company's state which made the management and coordination more difficult. Such a situation could slow down the company's growth.

business state. Lack of up-to-date information entailed the inability to make qualitative decisions. The company's managers needed valuable insights on how the business was functioning, what was perfectly working, and what had to be improved. It meant quick access to real-time metrics about various aspects of the company's state and life. It included but was not limited to project metrics, engineering power (e.g. seniority levels, the number of the developers on projects, bench status if there was any), the company's money flow, various kinds of sales order statistics, etc. Our customer understood that Business Intelligence is not just about using technology to bring people and information together, it's about flexible experimentation at a rapid

The management team was really fragmented in terms of understanding the current

pace and fast decisions.

to get real-time information, which

Business Tasks

- is 3 hours' old at most
- meetings by cutting out the part dedicated to gathering the information from the employees and sharing it among them

to change the approach to holding

to speed up the decision-making process

company's departments

to be able to analyze the work of the

Technical

Tasks

to transform and place into one storage all the business information gathered

from a variety of data sources the company was used to work with. The sources



were the following:

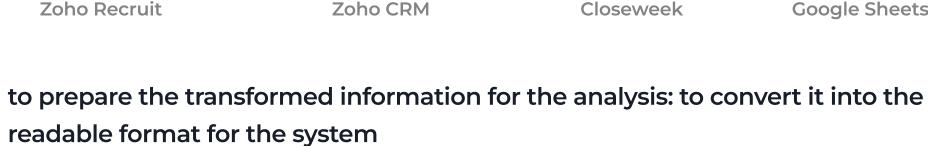


Service Desk Atlassian



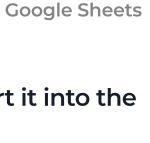
Closeweek





dashboard and report

to visualize data according to the rules defined by the requests of each particular

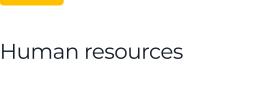


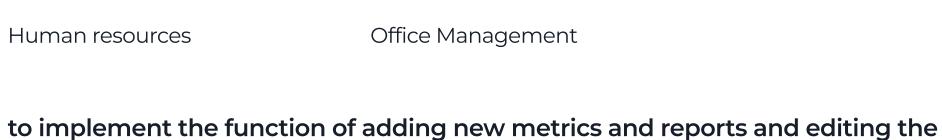
- to create dashboards with a variety of visualized reports of the working processes of the following business units:



existing ones

Sales & Marketing

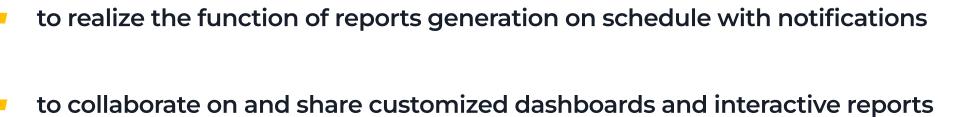




Finance

i i





- to keep data secure while giving user groups access to the insights they need

Using Power BI and cloud technologies, we've scaled them according to the customer's

Google Sheets. Some part of this data goes straight to datasets, the other - to Azure Data

Lake Storage, where all the actions described by a particular model are performed. After

that, the information is presented in the dashboards. We've created 14 of them, which is not

needs. The relevant data is collected from sources, such as Jira Atlassian, Service Desk

Atlassian, Confluence Atlassian, HQuickBooks, Zoho Recruit, ZOHO CRM, Closeweek,

Solution

the final number, as, according to particular needs, the dashboards can be scaled up and down, grouped, and some derivatives can be added. Each dashboard represents an interactive analytical system and creates dozens of coherent reports with a variety of visualizations. Our solution unifies real-time data from many sources and provides interactive, immersive dashboards for all the departments of the company: Finance, HR, Recruiting, Sales Management, Project Management, Development Units, BackOffice. Employees can easily integrate data, transform it into rich visualizations and reports, and then share those reports with stakeholders.

Key features

analytics

finding

self-service for enterprise

Al integration for quick insights

automate a lot of the preparation and reporting.

Production Unit reports provide live info

software

Azure cloud solution

Integration with in-house

Value

The company got several levels of just-in-time analytics:

evaluate the current state of their business in a quick and reliable way.

With this BI solution, individual employees have self-service access to intelligence that they

can slice and dice in whatever ways are most helpful to them. They've also got an easy way

to view and share their insights through interactive visualizations. It's become possible to

We have provided the decision-makers with all the metrics they need - gathered in one

place - to do their job more efficiently and not have to wrangle the data to get the answers.

The company's stakeholders, managers, and decision-makers have got an opportunity to

on metrics, KPIs, and plan/fact analysis to thorough analytics for main company unit managers. This also saves 2-3 days of processes. This saves months of manual work per month and ensures data work and enables data collection and consistency and accuracy. analysis in a weekly cycle.

Benefits

Project reports enable Project

preparing data.

of their projects and get real-time

metrics. This saves days of work on

managers to analyze different aspects

- Each Unit got their own benefits of BI introduction into business processes.

1 / young sales managers were mentored by the experienced ones in

special sales courses were offered to some managers.

customly defined complicated spheres;

Top-level company reporting provides

Due to continuous visualization of the sales pipeline it was defined that after the stage of "a clarification call", a pretty big

Sales department:

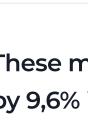
to the next sales step by 44%.

The real-time visualization of each sales manager's KPIs allowed to identify weak points in the process of deal closing for every manager. number of potential clients "go dark". It took two months to The following actions were taken to strengthen the Sales Team: prepare a fully new and unique methodology of "clarification

200

150

100



These measures allowed us to increase sales by 9,6% in the next 6 months.

Human Resources department:

calls" which brought the increase of conversion from this stage

Systematic keeping control on KPIs and the ability to deliver quick financial reports to stakeholders, managers, and decision-makers allowed to identify undesirable financial

who do not. Finance department:

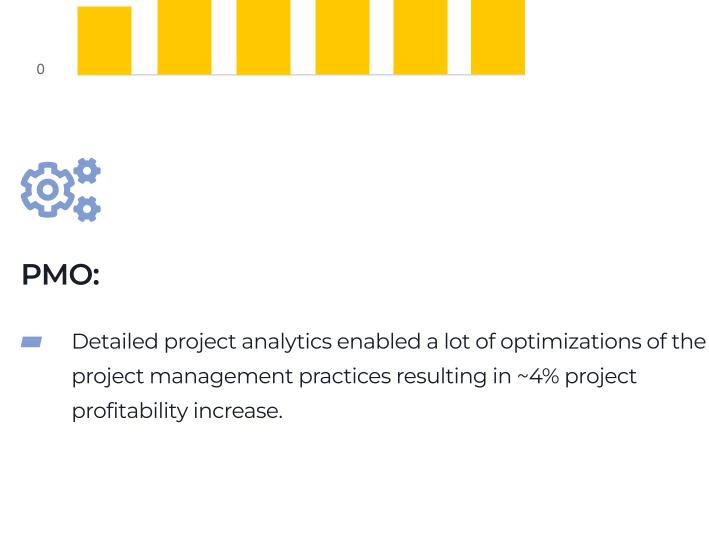
expenses. The improvements made to avoid the expenses

helped the company to save 84K within the next 6 months.

Alignment of financial statement reporting, statutory

reporting, and managerial reporting allowed to find out that

the specialist of a certain proficiency level brings almost 11%



less profit then specialists of other proficiency levels. It was decided to increase the amount of hiring of those specialists who bring 11% more profit to the company, rather than those

Office Management:

The continuous visibility of the department processes allowed to redistribute the forces of the existing staff and avoid hiring more people, which helped to save about 17K of potential expenses within the following half a year.

NoSQL database

OLAP

Technologies

Power BI

REST

Contact us — and we will estimate

your projects costs for free!

data models

SQL Server

- ETL (Extract, Transform and Load) Python
 - JavaScript

Do you have a similar project idea?

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