GoodAI Applied Stories

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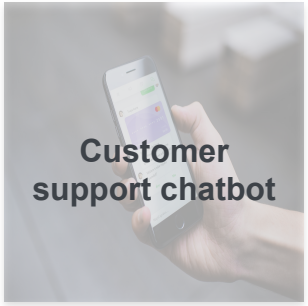
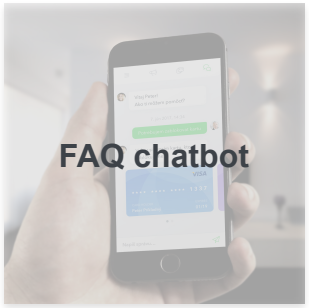
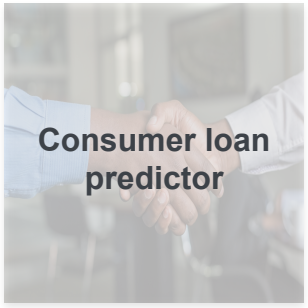
Our Successes







Find out more

Ringo: the world’s first AI diamond assistant

Background

Diamond trader, The Diamond Pro, approached us with the desire to provide buyers an efficient way to choose the perfect stone for their engagement ring or a memorable piece of jewelry.

The problem

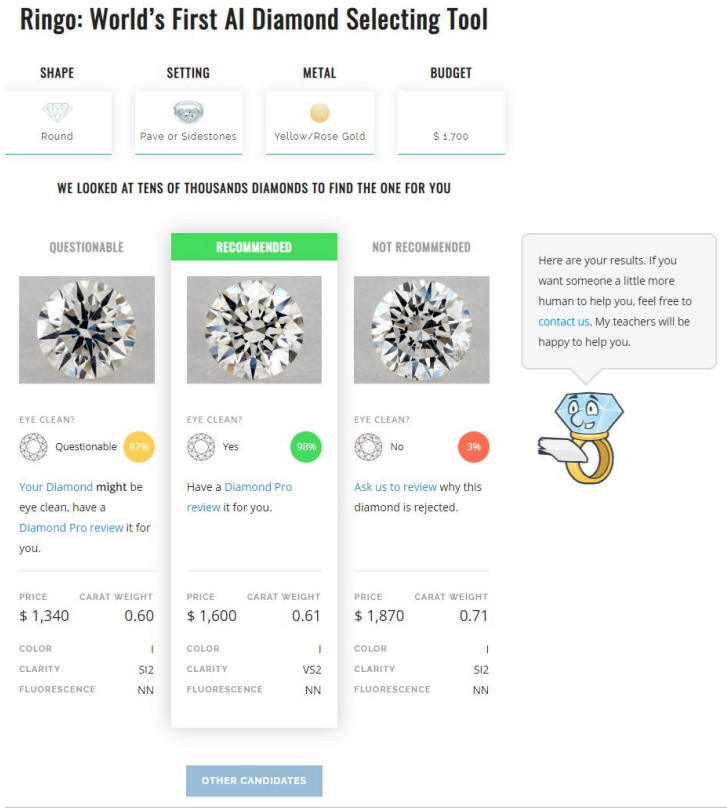
It wasn't just about rating the cleanest diamond for the buyer. Such diamonds can be very costly, while a less clean stone might bring just as much satisfaction to the naked eye. Instead, the goal was to enable the buyer to choose the right balance of quality, visual appeal, and price. Such balance is not easy to deduce from diamond certificates without expert help.

Our solution

We used cutting-edge image recognition technology to create the world’s first AI diamond assistant. The tool is more precise than using human experts and saves The Diamond Pro time and money.

Solution features

- AI Model development
- Web frontend, UX/UI design and development
- Backend development



Sound Classifier for ŠKODA AUTO DigiLab

Background

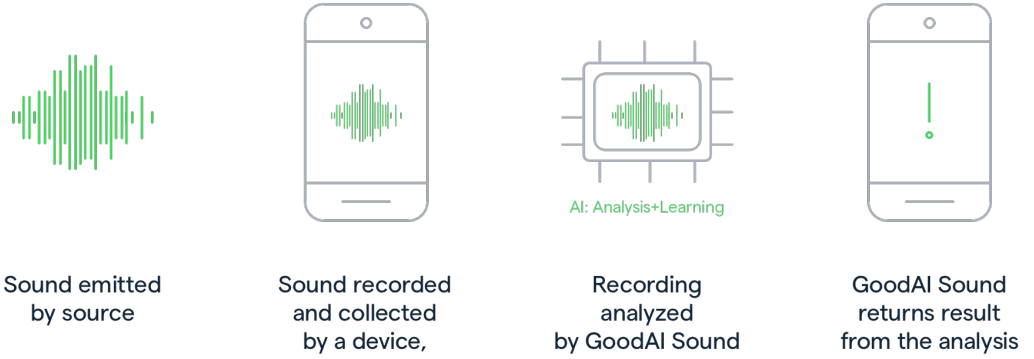
ŠKODA AUTO DigiLab needed a tool that could be used by their after sales team, in order to classify very specific sounds within their cars.

The problem

The problem with sound classifier solutions on the market is that they require huge amounts of data in order to function accurately. We did not have a huge amount of data, and it was of varying quality.

Our solution

In two months of development we created a solution using state-of-the-art AI models which works not only on small datasets, but also ones of low quality to classify sounds with an accuracy of over 95%.



Solution features

- AI Model development
- Web dashboard frontend, UX/UI design and development
- Backend development

ŠKODA AUTO DigiLab

Quality Control Check for a manufacturing company

Background

Our client needed a tool that could identify whether or not accessories had been installed on a production line.

The problem

It was impossible without human intervention to determine whether or not products had been assembled correctly on the finished product and mistakes were very costly.

Our solution

We created a cutting-edge AI model that uses object localization to spot whether accessories have been installed or not, removing the need for human intervention and increasing the accuracy of the assembly line.

Solution features

- AI Model development
- Web dashboard frontend, UX/UI design and development
- Backend development

Chatbot virtual assistant for T-Mobile Czech Republic and Slovak Telekom

Background

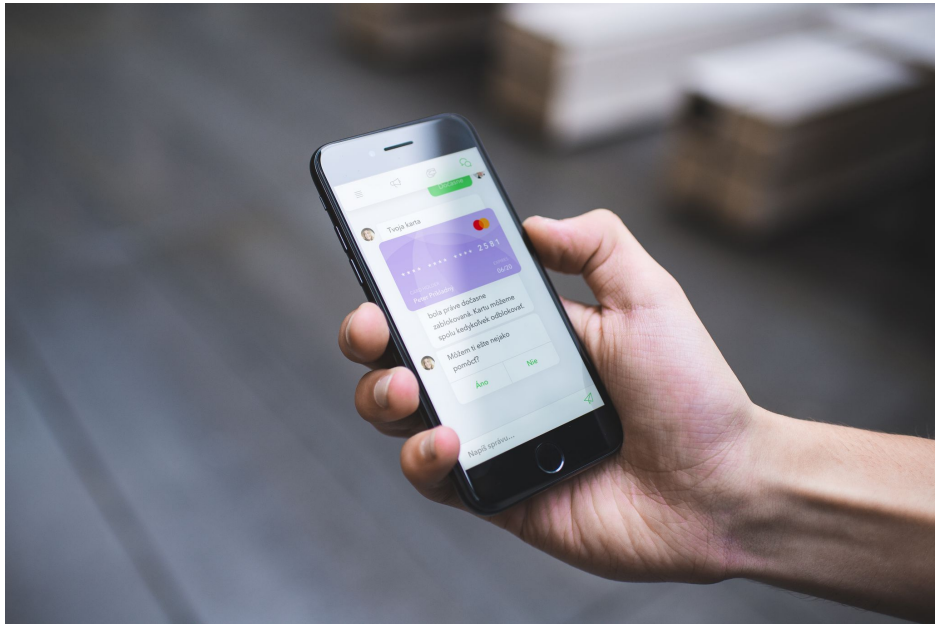
T-Mobile Czech Republic and Slovak Telekom want to create a chatbot engine which will improve their customer services, with the ultimate aim of not just answering customers questions, but solving their problems, 24/7.

The problem

They need a chatbot with a unique understanding of Czech and Slovak languages.

Our solution

We created a bespoke chatbot to answer simple questions and are continuing development to enable it to deal with more complex solutions in the future. Answering questions automatically gives front-line employees more time to focus on high value-added work.



Solution features

- GoodAI's Goodbot NLP technology

FAQ chatbot for Home Credit

Background
Home Credit needed a tool which could help answer the questions being asked most frequently.

The problem
People were calling Home Credit to ask questions which was meaning staff were often occupied answering the same question many times.

Our solution
Goodbot is GoodAI's NLP technology fully developed in-house which could help answer customers' questions. It was trained specifically on the "language of the companies" in order to make it even more accurate.

Solution features
- GoodAI's Goodbot NLP technology

Building Analytics for a commercial real estate company

Background

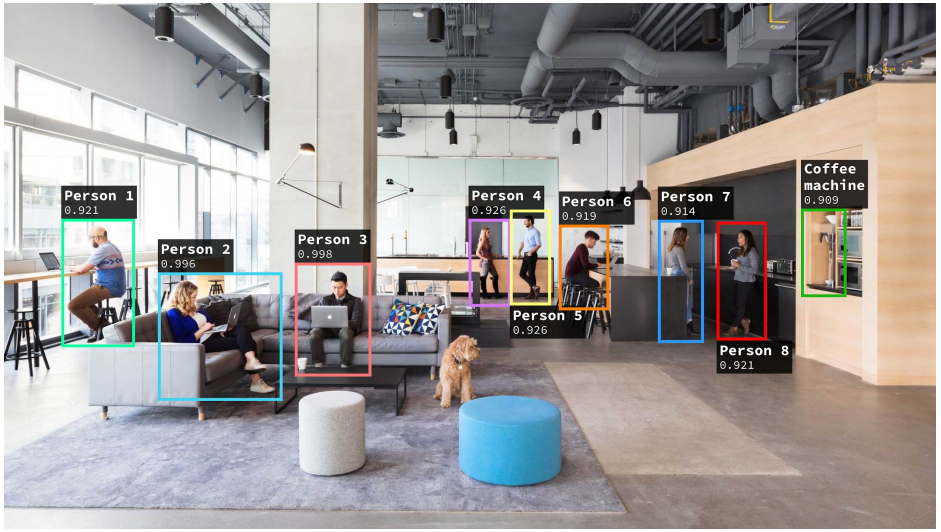
Our client aims to use technology to better understand how their buildings are used in order to get the most out of their properties in the long and short term.

The problem

Our client is an expert at creating buildings, but it is difficult to say exactly how people interact with each other and with the buildings. Commercial properties can start to look dated quickly, therefore our clients want to optimize workplaces in real time.

Our solution

We created a high-tech AI model that uses object localization to detect and count people in order to indicate how they are using the building and interacting with each other. The solution acts like a “Google analytics” for people, allowing our client to use data to optimize the design of their properties.



Solution features

- AI Model development
- Web dashboard frontend, UX/UI design and development
- Backend development

Pipe leaks prediction for innogy CZ

Background
Innogy, a large gas company, approached us to see if we could improve their maintenance planning procedures.

The problem
Fixing broken gas pipes is extremely costly therefore, the more accurate the maintenance plan the easier it is to avoid broken pipelines.

Our solution
We created an AI solution which assesses which pipelines are more prone to breaking and therefore which are most critical to replace or repair.

Solution features
- AI Model development

innogy

Consumer Loan Acceptance for Equa bank

Background

Equa bank asked us to streamline their processes by designing a new method for predicting the acceptance rate on consumer loans.

The problem

It was difficult to assess the likelihood that a client would accept a consumer loan.

Our solution

We created a cutting-edge AI solution that used behavioral, economic, and financial data to help us predict more accurately whether someone would accept a loan. This allowed Equa bank to target their loans more efficiently.

Solution features

- AI Model development

Equa bank

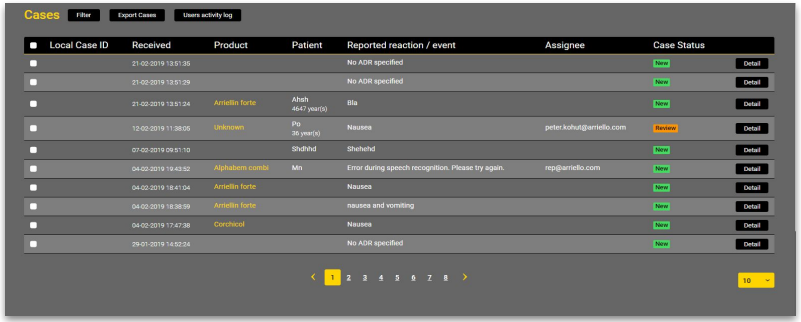
Automated adverse reaction reporting solution for a large pharmacovigilance company

Background

Monitoring and reporting the effects of medical drugs effectively is extremely important. Our client approached us with the aim of streamlining their reporting process and making it more accurate.

The problem

Reporting of side effects was not standardised, reports would come as SMSs, e-mails, phone calls, etc. Compiling this information into a usable format took many hours.



Our solution

Using NLP technology we were able to create a standardized system of automatic reporting and tracking. Users need to just dictate and fill in short forms, and the data is automatically collected in one place.

Solution features

- Mobile app design and dev
- Web dashboard frontend, UX/UI design and development
- Backend development

A pdf document classifier for innogy CZ

Background

Innogy CZ approached us with a task of classifying pdf documents in predefined classes so they could improve their back-office administration processes.

The problem

They receives and process tens of thousands of pdf documents daily and the classification of those documents is done manually by different departments and stakeholders throughout the company, which costs a lot of time and money.

Our solution

We developed a custom made state-of-the-art NLP solution which classifies pdf documents in a database, saving Innogy thousands of Euros weekly.

Solution features

- AI Model development
- Web dashboard frontend, UX/UI design and development
- Backend development

innogy

Fleet performance monitoring for a large energy company

Background

A large energy provider approached us with a task to monitor performance of their fleet of vehicles in order to make them more efficient.

The problem

Maintenance personnel often need to be sent to customers' premises in order to deal with reported system failures and outages. It is important to be able to monitor the company vehicles to make sure they are being used efficiently and only visiting places on their working route. Deviations from work routes cost the company time and money.

Our solution

We developed a solution which analyzes the fleet performance on a weekly/monthly basis and determines whether the vehicles are being utilised to their maximum efficiency. The information is then available as an interactive report on a web dashboard.

Solution features

- Data analytics on fleet data
- Backend development
- Web dashboard frontend, UX/UI design and development

An automated property valuation tool for one of the largest Hungarian real estate companies

Background

One of the largest Hungarian real estate companies approached us with a task of creating an automated valuation model (AVM) which would outperform other tools in the market and could enable them to provide the highest customer experience and to ensure the best selling price.

The problem

Real estate agents staff is problematic, there is a high turnover and the professionalism level across agents is highly variable, therefore clients get highly variable experiences and the company has highly variable pricing negotiations outcomes.

Our solution

We are developing an AVM which provides price prediction models with high precision due to the use of new innovative predictors, such as localization and areas ratings taken from publicly available services. We are combining with advanced User Experience designs which combined, is enabling our client to increase revenues by increasing customer experience and creating new revenue streams.

Solution features

- AI Model development
- Mobile app design and dev
- Web dashboard frontend, UX/UI design and development
- Backend development

Visual Equipment Status Check for a production environment

Background

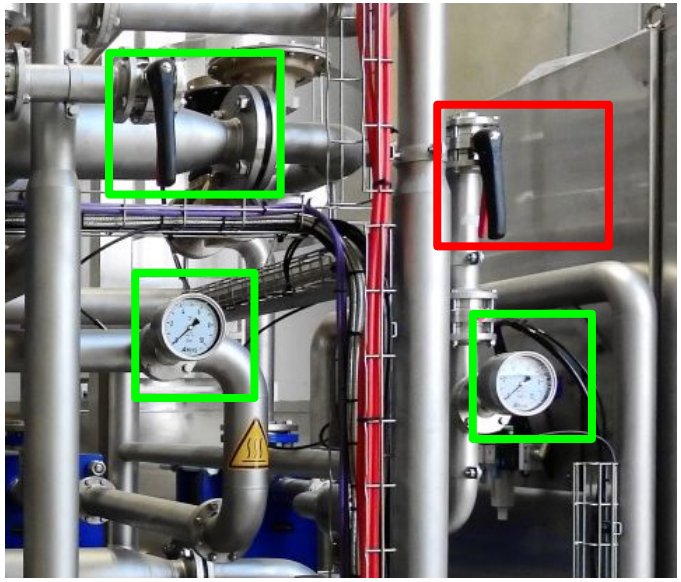
Our client needed a tool that could identify whether the equipment used in their production environment was in the correct configuration.

The problem

It was impossible without human checking to determine whether different types of valves were in correct configurations and if gauge readings were within accepted ranges.

Our solution

We created a robust and reusable AI solution that is able to check whether equipment controls are in the desired configurations and readings are in the required ranges, removing the need for human oversight and alerting immediately when a problem occurs, thus increasing reliability of the production environment.



Solution features

- AI Model development
- Web dashboard frontend, UX/UI design and development
- Backend development

This slide soon will be you!

Get in touch

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