

//ADAstra

Data Science & AI

Optimize your business processes
with Adastra's Data Science
& AI solutions

www.adastragrp.com





Mathematical Optimization

Optimization potentials can be found in every business and are waiting to be discovered and used.

We help you to find the right use case for you and set up the mathematical model for this purpose. In doing so, we analyze business, technical, and practical constraints that are essential for the later success of the optimization and the implementation of the results in your organization. We search for the appropriate algorithm as well as the best tool to solve your problem. We then implement and refine the solution and visually prepare the results for you.

Examples for possible optimization potentials:

- / Production (Workflow/Workload Balancing, Lean Production, ...),
- / Logistics (inventory, shipping, routing, ...),
- / Human Resources (Staffing, Capacity Management, ...)



Machine Learning & Statistics

How are different aspects related? Which factors determine the output and to what extent? How likely are certain events or factual correlations? Typical examples are questions about which products are often bought together or which factors influence the purchase decision and how strongly.

We help you to answer these questions by developing individual statistical models and implementing your data. Adastra has the necessary know-how and helps you to uncover statistical correlations in your company and to use them profitably.

We can investigate concrete hypotheses and/or search for statistical correlations using Data Mining. Machine Learning algorithms and AI can be of enormous help to continuously improve the analyses and to scale them company-wide.



Deep Learning

Machine Learning helps to understand complex correlations that are based on clearly defined mathematical rules and formulas. But what if these logics do not exist? Then Deep Learning is applied, in which an artificial neural network is built and trained. Based on the newly learned information, forecasts or decisions are made and questioned. These are then confirmed or changed so that the network is trained further.

Examples for the application of Deep Learning:

- / Natural Language Processing, e.g., for Chatbots or Voice Assistants
- / Automatic image recognition, e.g., face recognition or automatic error detection

Whatever your use case is, with Adastra you have the right contact!

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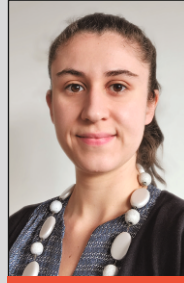


Contact Persons at Adastra



„Used correctly, AI helps to discover the potential for improvement in your company and to use it profitably. Whether Optimization or Regression Analytics, Predictive or Prescriptive Analytics, Machine Learning or Deep Learning, with Adastra you can be sure to have a competent partner at your side.“

Dr. Michael Simora
Head of Adastra South
& Lead Data Science Consultant



„Today, there is an abundance of data - but what makes the difference is whether and how this information is used. By using AI and ML algorithms, vast amounts of data can be analyzed to provide valuable insights in a very short time. Contact us to learn how we can help you improve your data-driven decision making.“

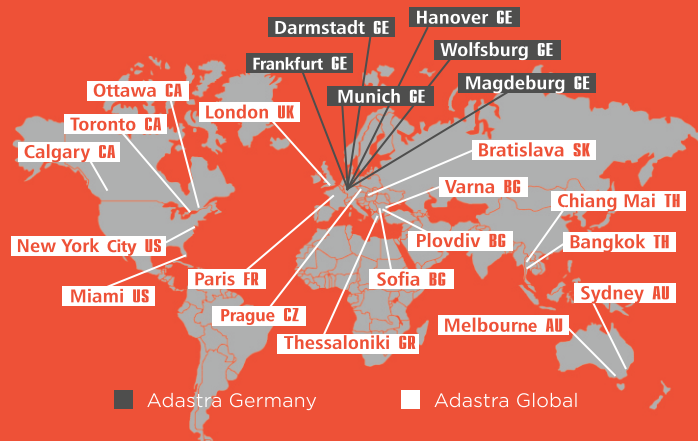
Dr. Simona Ciceri
Lead Data Scientist



„Artificial Intelligence is today's crucial key technology. Our Data Science experts help you to increase your innovation capability and thus stay ahead of the competition in the long term. We will be happy to accompany you!“

Dalia Paul
Head of Sales & Marketing

Contact **Adastra** for a free initial consultation. We are looking forward to hearing from you!



„ADASTRA - Quick Facts

2500+ employees

- / 23 international locations
- / Projects in more than 46 countries
- / Fluent communication in more than 37 languages
- / More than 270 certificates in various areas and technologies
- / 32 international quality awards

1 Focus: Cloud Data & Analytics

- / (Multi-)Cloud Services: AWS, MS Azure, GCP
- / Cloud Data Engineering
- / Artificial Intelligence & Machine Learning
- / Robotic Process Automation
- / Modern Data Warehousing
- / Business Intelligence & Business Analytics
- / Data Quality & Data Management

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