



KOVOPROJEKTA  
ENGINEERS & CONTRACTORS

# Company Presentation Kovoprojekta Brno a.s.

Design, Engineering and Supply Company



# Basic Information

Who we are and what we do

# About Company

We are a design, engineering and supply company offering complex deliveries of investment units.

## **Kovoprojekta Brno a.s.**

Šumavská 416/15

602 00 Brno, Czech Republic

Identification No.: 46347011

Tax Identification No.: CZ46347011

Established in: 1950

Capital Stock: 36 000 000 CZK  
(1 399 960 EUR)

Average No. of Employees: 110

## **Foreign Branch Office**

Popradská ulica 12517/34A

821 06 Bratislava, Slovakia

 [www.kovoprojekta.cz](http://www.kovoprojekta.cz)

 [fb.com/kovoprojekta](https://fb.com/kovoprojekta)

# Services

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- Feasibility Study
- Environmental Impact Assessment (EIA)
- Processing of Applications in accordance with the Czech Act No. 76/2002 Coll., on Integrated Pollution Prevention and Control (IPPC)
- Energy Performance Certificate for Buildings
- All stages of Design Documentation
- Tender Documentation
- As-built Documentation (both in 2D and 3D)
- Procurement
- Assembly, Construction and Process Works including Management
- Complex Tests and Commissioning

# Our Strong Points

We:

- Have our own customer base
- Have our own sources of financing
- Implement projects on turn-key basis
- Ensure complexity of professions
- Implement a sophisticated Management System
- Can offer long-term experience
- Examine every issue in detail
- Use the most up-to-date technologies
- Work in flexible teams
- Are professionals – chartered engineers and University graduates
- Enhance our employees' professional skills regularly

# Management Systems

We wish to provide our customers with the highest possible quality of services. Therefore we implement a sophisticated Management System integrating:

- Quality Management System (QMS) in accordance with ČSN EN ISO 9001:2016
- Environmental Management System (EMS) in accordance with ČSN EN ISO 14001:2016
- Safety and Health at Work Management System (OHSMS) in accordance with ČSN ISO 45001:2018



# Software We Use

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- Aspentech Aspenone - Process Modelling
- AVEVA PDMS
- CAESAR 2
- PCC - Pipe Class Component
- SST Systems CAEPIPE
- Pipe Flow Expert
- SICHR - elektro
- ARC Gist Analyst - Enviro
- AutoPen
- Revit, Revit Structure, Revit MEP
- CADKON 2D, MEP, RCD
- fine GEO5 - Geotechnical SW
- Protech
- SCIA Engineer
- DEK
- KROS - Budgeting
- Autodesk AutoCAD
- Autodesk Inventor
- Autodesk Navisworks Manage
- Microsoft Project



# Activities and Services

Chemical and Crude Oil Industry | Machinery |  
Civil and Residential Structures, Infrastructure | Waste Processing



A technical drawing or blueprint of an industrial plant, rendered in a light blue color against a dark blue background. The drawing shows a complex network of pipes, tanks, and structural elements, typical of a chemical or oil processing facility. The lines are thin and precise, creating a detailed architectural plan.

# Chemical and Crude Oil Industry

Introduction and References

# Chemical and Crude Oil Industry

- Chemical Industry
- Crude Oil Treatment
- Petrochemistry
- Gas Treatment



# Chemical and Crude Oil Industry

|  |  |             |         |
|--|--|-------------|---------|
| ENG.CO.CZ s.r.o., Brno, CZ                           | Increase in Storage Capacity of Jet A1, Shell Deutschland Oil GmbH                     | 2018 - 2019 | Project |
| Bilfinger Industrial Services Czech s.r.o., Most, CZ | Various Projects in Chemical Industry for Unipetrol                                    | 2018        | Project |
| Ethanol Energy a.s., Vrды, CZ                        | Technology to reduce Energy Consumption of Production                                  | 2017 - 2018 | EPC     |
| BorsodChem MCHZ, s.r.o., Ostrava, CZ                 | Restoration of Special Amines Production SA II   | 2016 - 2017 | EPC     |
| SLOVNAFT, a.s., Bratislava, SK                       | Flameless Combustion at the Portable Incinerator D201                                  | 2014        | EPC     |
|  | Desalters Replacement at the CDU's UNITS (part BADU5)                                  | 2016 - 2017 | Project |
| SPOLCHEMIE Electrolysis a.s., Ústí nad Labem, CZ     | Chlor Alkali Electrolysis Conversion Supply – Membrane Electrolysis incl. Power Supply | 2013 - 2017 | EPCM    |

# Chemical and Crude Oil Industry

|   |  |             |         |
|---|--|-------------|---------|
| CHS Epi, a.s.,<br>Ústí nad Labem, CZ      | Reducing of Epichlorhydrine and HCl<br>Production Impact upon Environment      | 2014 - 2016 | EPC     |
| GTC Technology Europe s.r.o.,<br>Brno, CZ | Acrylonitrile Unit for Saratovorgsintez  | 2014 - 2016 | Project |
| Lovochemie, a.s., Lovosice, CZ            | Universal Granulation Line (UGL)<br>and Ammonium Nitrate (DA)                  | 2014 - 2016 | Project |
| Česká rafinérská, a.s., Litvínov,<br>CZ   | Additional Modifications of the NRL<br>Flare System                            | 2015 - 2016 | EPC     |
| DEZA, a.s.,<br>Valašské Meziříčí, CZ      | Denitrification, Desulphurization and<br>Dedusting of Flue Gases in DEZA, a.s. | 2013 - 2016 | EPC     |
| TECHNIP ITALY S.p.A., Roma, IT            | Ammonia 4, Duslo, a.s.   | 2015        | Project |

# Chemical and Crude Oil Industry



ČESKÁ RAFINÉRSKÁ, a.s., Litvínov, CZ  
LPG Flare System



Spolek pro chemickou a hutní výrobu, a.s., Ústí nad Labem, CZ  
Low Molecular Epoxy Resins Production 30 000 ton/year, Phase I, II

# Chemical and Crude Oil Industry

## Spolchemie Electrolysis, CZ

NEW CHLOR ALKALI PLANT – Membrane Technology  
(Based on Bluestar Electrolysers)



# Chemical and Crude Oil Industry

ČESKÁ RAFINÉRSKÁ, a.s., Litvínov, CZ  
Revamping of SULFREEN Unit



ČESKÁ RAFINÉRSKÁ, a.s., Litvínov, CZ  
Construction of New Thermic Incinerator



# Chemical and Crude Oil Industry

VÍTKOVICE Inženýring, a.s., Ostrava,  
CZ/Rafinerie Recope, Puerto  
Limon, Kostarika  
Spherical Storage Tank Costa Rica  
4000 m<sup>3</sup>



ČESKÁ RAFINÉRSKÁ, a.s., Litvínov, CZ  
Construction of the new unit Claus IV with capacity of 100 t/day

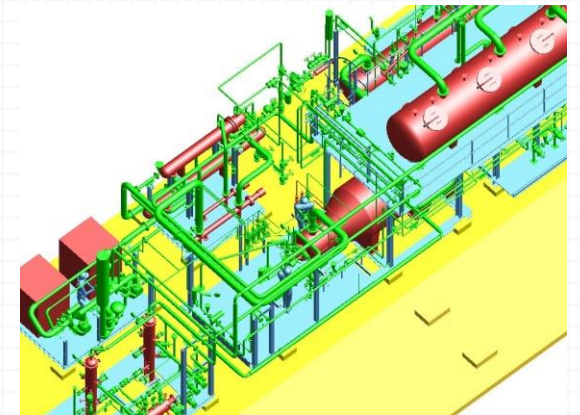


# Chemical and Crude Oil Industry

**DEZA a.s., Valašské Meziříčí, CZ**  
Treatment of Sulphur Exhalations from Selected  
DEZA, a.s. Facilities



**KG Process Innovations s.r.o.,  
Brno, CZ**  
Hydrogen Production Plant  
Pavlodar, Kazakhstan



# Chemical and Crude Oil Industry



Stork Engineers & Contractors B. V., Amsterdam, NL

Rafineria Nafty Jedlicze S. A., PL

Sulphur Recovery Unit 2.85 t/day

– SUPERCLAUS

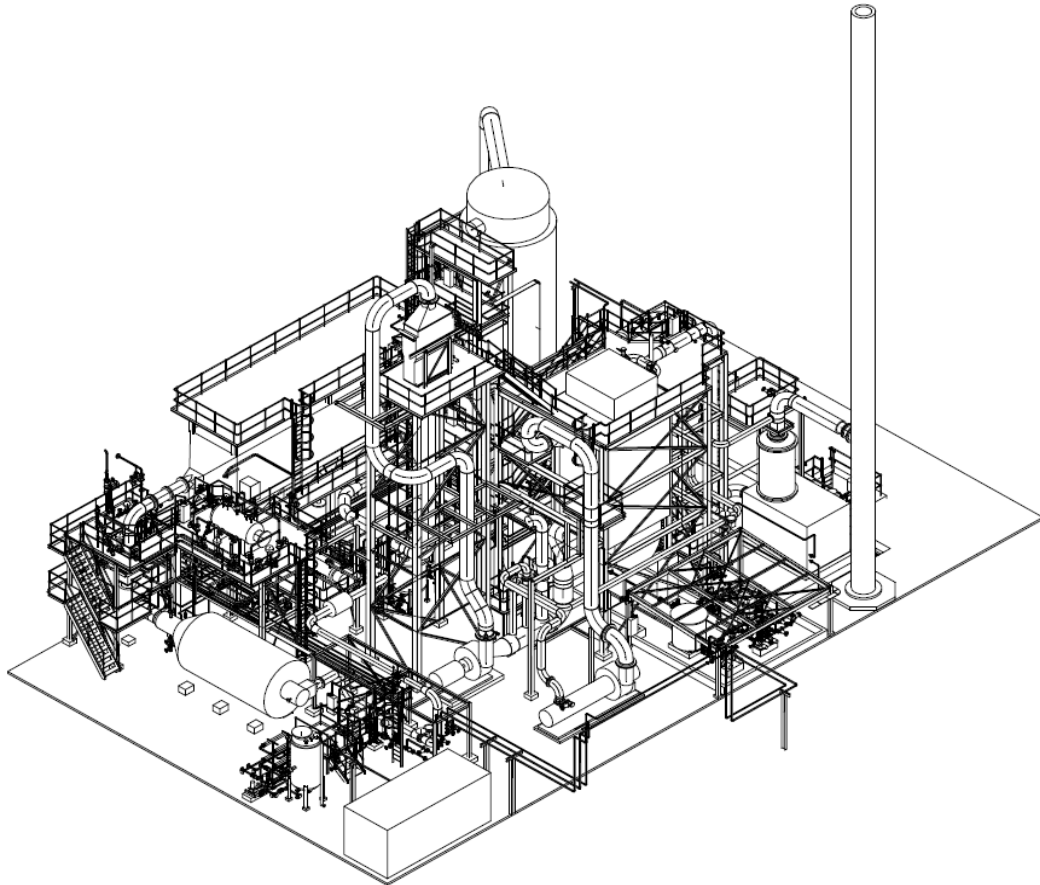


Duslo, a.s., Šaľa, SK

Revamp of Ammonia Plant 3

# Chemical and Crude Oil Industry

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Stork Engineers & Contractors B. V.,  
Amsterdam, NL/ SLOVNAFT a. s.,  
Bratislava, SK  
Sulphuric Acid Regeneration Unit

# Chemical and Crude Oil Industry

SLOVNAFT, a.s., Bratislava, SK  
LPG Storage and Blending



SLOVNAFT, a.s., Bratislava, SK  
Debutanizer and Depropanizer FCC



# Chemical and Crude Oil Industry

Stork Engineers & Contractors B. V., Amsterdam,  
NL/SLOVNAFT a. s., Bratislava, SK

2 SRU Trains with SUPERCLAUS, each with capacity of 135 t/d



# Chemical and Crude Oil Industry



**SIAD Czech spol. s r.o., Braňany, CZ**

Production and Distribution Plant Rajhradice – Technical Gases Production, Storage and Filling into Cylinders

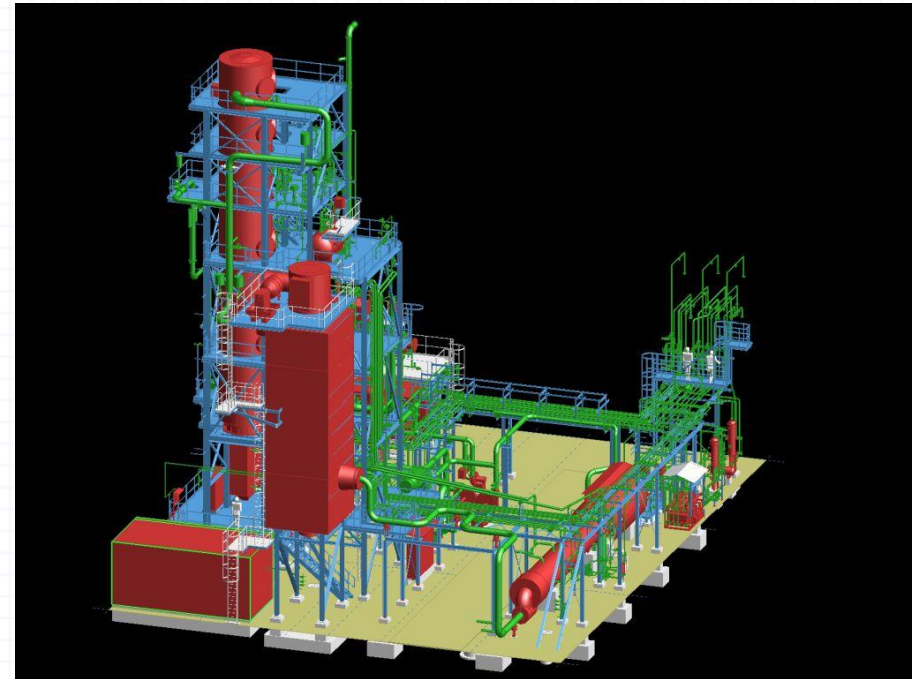


**Duslo, a.s., Šaľa, SK**  
Delivery of Hydrogen Plant  
2200 Nm<sup>3</sup>/hr



# Chemical and Crude Oil Industry

NIS – OIL Refinery Pančevo, SRB  
Spent Acid Regeneration Unit





# Machinery

Introduction and References



# Machinery

- Automotive Industry
- Metallurgy and Forging
- Machinery Industry
- Bulk Material Handling
- Warehouses
- Laboratories



# Machinery

|  |  |             |         |
|--|--|-------------|---------|
| ŠKODA AUTO a.s.,<br>Mladá Boleslav, CZ               | Production and Non-production<br>Buildings, Reconstructions      | 1999 – 2019 | Project |
| Karsit Automotive, s.r.o.,<br>Jaroměř, CZ            | Construction of a Production Plant                               | 2017 – 2018 | Project |
| Constellium Extrusion Levice<br>s.r.o., Levice, SK   | Construction of a new Production<br>Hall of Al Profiles          | 2017 – 2018 | Project |
| Strojmetal Aluminium Forging<br>s.r.o., Kamenice, CZ | Production Facilities in Kamenice and<br>Bruntál                 | 2015 – 2019 | Project |
| TOSHULIN, a.s., Hulín, CZ                            | Heavy Mechanics Hall Cooling                                     | 2016        | Project |
| Slévárna HEUNISCH Brno, s.r.o.,<br>CZ                | Reconstruction of the Moulding<br>Compound Preparation Plant     | 2014 – 2017 | Project |
| KOVOSVIT MAS a.s., Sezimovo<br>Ústí, CZ              | Increasing Technological Possibilities<br>of the Foundry Smelter | 2011 – 2015 | Project |

# Machinery



Škoda Auto a. s.,  
Mladá Boleslav, CZ  
Assembly Hall M1



KAROSA a.s., Vysoké Mýto, CZ  
Production Unit M1 – Assembly and  
Manipulation with Bus Skeletons

Škoda Auto a. s., Mladá Boleslav, CZ  
M2 – GQH Extension – Testing of Engines



# Machinery



Škoda Auto a. s., Mladá Boleslav, CZ  
Welding Shop M14



Škoda Auto a. s.,  
Mladá Boleslav, CZ  
New Pressing Shop M15

# Machinery



**Siemens Elektromotory s.r.o.,  
Mohelnice, CZ**

Strategy of Elmotors Production  
in Europe

**BUZULUK Komárov, a.s., Komárov, CZ**

Reconstruction of Sand Mixtures  
Treatment Plant



**AGS Jičín a.s., Jičín, CZ**

Induction Melting Plant in Foundry

**STROJMETAL KAMENICE, a.s., CZ**

Forging Plant Extension - Aluminium and  
Non-Ferrous Metal Forgings Production





# Civil and Residential Structures, Infrastructure

Introduction and References

# Civil and Residential Structures, Infrastructure

- Residential and Apartment Buildings
- Non-production Buildings
  - Shopping Centres
  - Municipal Buildings
  - Administrative Buildings
  - Warehouses and Logistics Buildings
- Transportation Systems
- Waste Heat Utilization and Power Generating Plants
- Civil Engineering Structures
  - Gas Pipelines, Heat Transfer Pipelines, Water Mains, Sewerage, Sewerage Treatment Plants
  - Electrical Distribution Networks



# Civil and Residential Structures, Infrastructure

|   |   |             |         |
|---|---|-------------|---------|
| Jihočeská univerzita<br>v Českých Budějovicích, CZ                            | University of South Bohemia,<br>Chemistry Department                                    | 2018        | Project |
| Střední průmyslová škola<br>a Vyšší odborná škola Sokolská,<br>p.o., Brno, CZ | Reconstruction of the Centre for<br>Professional Education in Mechanical<br>Engineering | 2016 - 2017 | Project |
| Statutární město Brno,<br>Brněnské vodárny<br>a kanalizace, a.s., Brno, CZ    | Reconstruction of Sewerage and<br>Waterlines within the Streets of Brno                 | 2001 - 2016 | Project |
| TOSHULIN, a.s., Hulín, CZ   | Modernization of the Heating<br>Technology<br>Reconstruction of Artificial Lighting     | 2015        | Project |
| Berendsen Textil Service s.r.o.,<br>Modřice, CZ                               | Berendsen Laundry and Clothes<br>Rental Shop  | 2014 - 2015 | Project |
| R-built s.r.o., Radovesice, CZ  | Reconstruction of High-voltage<br>Substations of ČEZ                                    | 2019        | Project |



# Civil and Residential Structures, Infrastructure

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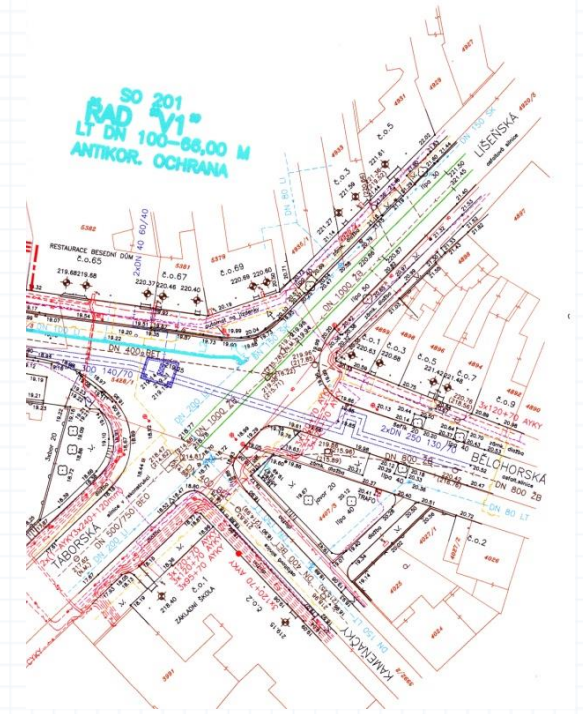
Hill's Pet Nutrition Mfg. s.r.o., Praha, CZ  
New Manufacturing Plant Hustopeče



# Civil and Residential Structures, Infrastructure

## Statutární město Brno, CZ

Brno, Bratislavská Street – Reconstruction of Sewage System and Water Line



## Statutární město Brno, CZ

Brno, Jamborova Street – Reconstruction of Sewage System

# Civil and Residential Structures, Infrastructure

**Masarykova univerzita v Brně, CZ**

Masaryk University in Brno, Faculty of Science  
- Reconstruction and Extension



**UNISTAV a.s., Brno, CZ**

Reconstruction of Football Stadium Brno,  
Srbská – Královo Pole



**Billa Reality, spol. s r. o.,  
Říčany u Prahy, CZ**

Supermarket Billa Moravské  
Budějovice



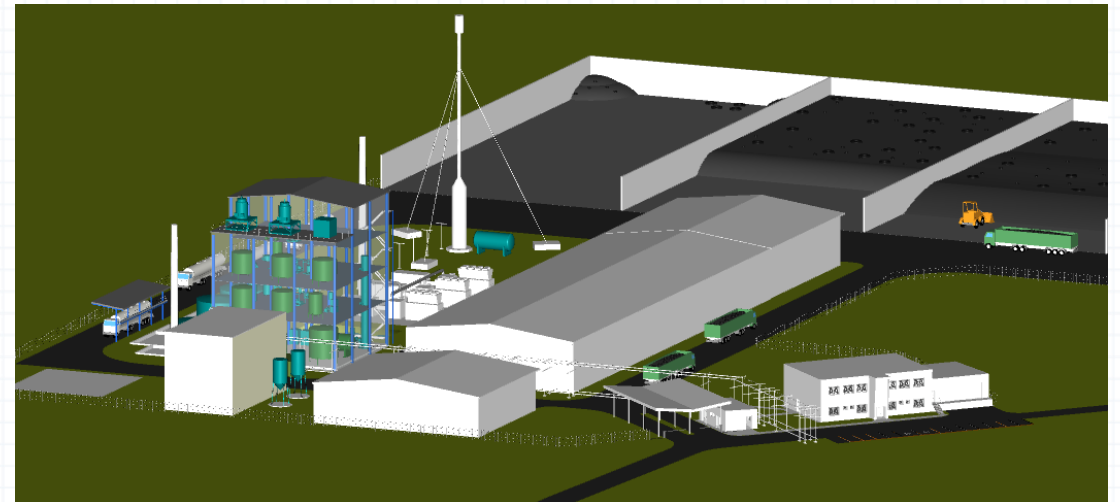
# Waste Processing

Introduction and References



# Waste Processing

- Collection Yards
- Composting Plants and Biological Dryers
- Underground Containers
- Waste Crushing, Sorting and Pressing Technologies
- Tire Recycling
- Waste Energy Recovery Projects



# Waste Processing

|   |  |             |         |
|---|--|-------------|---------|
| ELIXIR ENERGY DOO, Prahovo, RS  | Pyrolytic Depolymerisation of Waste Tires                      | 2019        | Project |
| Město Uherské Hradiště, CZ  | Underground Containers for Sorted Waste in Uherské Hradiště    | 2019        | Project |
| HOLCIM a.s., Rohožník, SK   | ReduDAST Project   | 2014        | Project |
| .A.S.A, spol. s r.o., Praha, CZ   | Waste Sorting Line in Jihlava                                  | 2008 - 2012 | Project |
| Constructions Industrielles de la Méditerranée, Vélizy, F /<br>CONSISTRA s.r.o., Brno, CZ | Brno Waste Management – Reconstruction of the Brno Incinerator | 2010 - 2011 | Project |

# Waste Processing

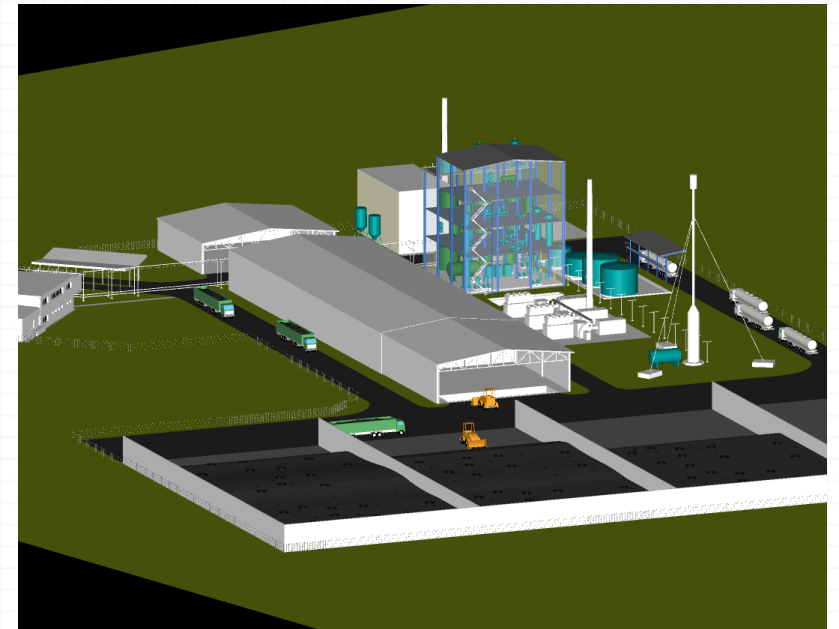


**.A.S.A., spol. s r.o., Praha, CZ**  
Waste Sorting Line in Jihlava



**Constructions Industrielles  
de la Méditerranée, Vélizy,  
F CONSISTERA s.r.o., Brno, CZ**  
Brno Waste Management

**ELIXIR ENERGY DOO, Prahovo, RS**  
Pyrolytic Depolymerisation of Waste Tires



# Our Notable Clients








**KOVOPROJEKTA**  
ENGINEERS & CONTRACTORS

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