

New Age echnologies

Economic and nature friendly
technologies for the 21st century.





37%

Of our world-wide sold technologies
are for wastewater treatment.



70%

Of all solved projects as a general
contractor.

-  Core region on market
-  Range of market through our cooperating business partners
-  The potentially interesting market for further development
-  Individually designed projects

Portfolio features



GAS

We are specializing in the design, engineering and servicing of custom process air and gas separation and compression solutions. Our leading technologies in this field are nitrogen generators and biogas upgrading technologies.



WATER

Our technologies are an optimal solution for villages and towns up to 10 000 PE. These plants may also be applied for treatment of organically polluted industrial sewage water, especially from the food industry. We are focused on MBR and AnMBR plants



SOIL

NATs mainstay program covers investigation and remediation of the environment. The company proposes designs and performs all the work related with remediation systems, employing the most advanced methods. We are focused on problematics of the underground water contamination.



WASTE

Strong points of the company are represented above all by a complex approach to the solution of waste management systems, by that fact that we carry out own research and development, by the application of the latest technology, by our investment activities.

Case study - water

Zambia, Copperbelt Province



The situation

IMPACT ASSESSMENT OF MINING AND PROCESSING OF COPPER AND COBALT ORES ON THE ENVIRONMENT IN THE COPPERBELT, ZAMBIA – High heavy metal concentrations in groundwater systems.

The solution

Designed on site technological line including reverse osmosis membrane separation technology with active carbon filtration, for heavy metals separation.

The result

New purified source of reusable water in the mining area of Zambia. A risk assessment has been carried out for the entire area concerned.

Case study – gas compression

USA, Ashland, Kentucky



The situation & solution

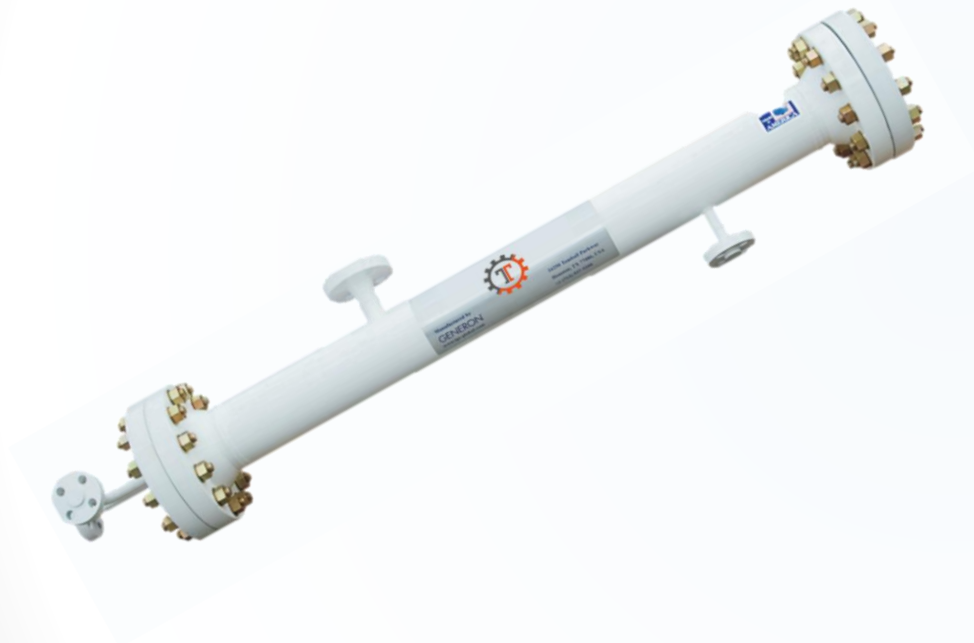
Contracted by Venture Engineering and Construction, NAT has manufactured and supplied a 550 hp Reciprocating Gas Booster (compressor) System. This compressor is capable of compressing Biogas (RNG) for pipeline injection, from 7 bar to 75. This compressor is powered by and directly coupled to a 550 hp, 4160 v electric motor, as per the operator's specification.

The result

This NATs package will be installed at a Landfill to RNG facility in Ashland, Kentucky, and will be owned and operated by Big Run Power Producers.

Case study – biomethane upgrading

USA, MA, East Coast



The situation

The biogas upgrading was demanded for older agricultural biogas plant. Characteristics of inlet gas were 55 % of methane and about 1200 ppm of sulphane. Average flow was only 30 NCMH.

The solution

We have designed and built small membrane biogas upgrading unit (20 NCMH). The device is single-stage and container-mounted.

The result

The unit has been in operation for three years with stable 95% methane recovery. Operator the user uses biomethane as a bioCNG fuel.

Case study - soil & waste

Czech Republic, Central Bohemia Region



The situation

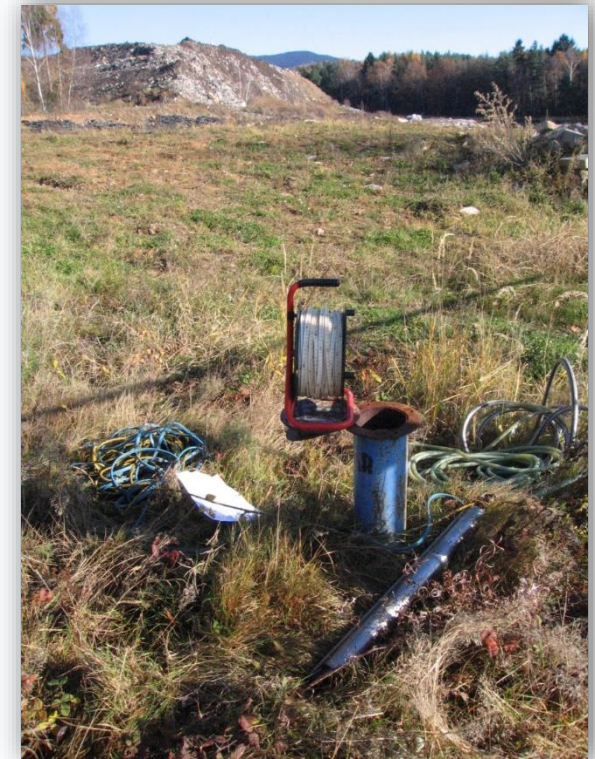
Problem of high concentrations of arsenic in acid mine drainage.

The solution

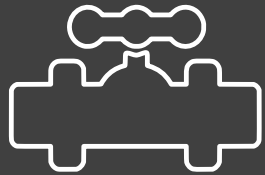
We created a new suitable method for hydrogeological, geological surveys and prediction by mathematical modelling. After we have indicated a weak spot, we started with remediation works.

The result

We have significantly reduced the risk of contamination. Groundwater can again serve as a source of drinking water.



Value chain



Engineering

We have a very experienced team consisting of chemical, construction and others engineers. We are able to tailor the solution to your needs



Procurement

We are able to do financial assistance for the procurement of legal advice.



Construction

We have got our own construction and development department operating in whole CEE region. Mostly focused on engineering networks.



Maintenance

We are also able to cover the maintenance and operation of technology at the customer's request. We can perform technology surveillance, monitoring and service work.

Management Team



Michal Zak
CEO

Developing new technologies and high quality business strategies, leading and motivating people is my passion.

zak.m@newagotech.cz



Jan Brhel
Finance & Product Director

Finance and product issues are my hobby. Together we can do and solve everything.

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Vaclav Postulka
R&D Director

I am highly interested in new environmental technologies especially in membranes technologies and their application.

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Petr Pilc
Technical Director

Everything about technologies is my life.

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Testimonials

David Newman
„President of WBA“



“I had the pleasure of cooperating with Michal Zak recently and have been very impressed with his expertise, competence, responsiveness and work ethic.”

„In the long term, we successfully work together on several R & D projects. Their team consists of highly experienced professionals with whom it is a pleasure to work together.”

Marc Straub
„General Manager - Membranes“



„They've made whole process of implementation of new biogas treatments technologies seamless and painless in Czech Rep.. I'll definitely recommend New Age Technologies s.r.o. to any potential customer.”

„“A pleasure doing business with New Age Technologies s.r.o.. Their representative Jan Brhel was not only very knowledgeable about the product offering, but extremely helpful in getting this transaction completed.”

Ing. Pavel Izak, Ph.D.
„Head of the Gas treatment
department ICPF CAS “



**The Czech Academy
of Sciences**

RNDr. Jiri Cizek
„CEO“





Thank you for your kind interest

www.newagetech.cz