Vision
We are the solution for bringing a local, independent source of electricity, heating, clean water and food production in the unstable world. We bring carbon-free future for all.

Mission
Bringing people together for climate impact.
Energy is the only universal currency

Global energy consumption is constantly increasing, and the share of renewables still remains low. No major replacement of fossil fuels by renewables in the next 20 years is expected. Energy sustainability and climate change are not resolved yet.

A complete renewable energy mix is required to protect our planet. We are the solution for bringing you a local, independent source of electricity, heating, clean water and food production in the unstable world. We provide scalable, modular, but disruptive solutions to zero-carbon emissions energy production.

Let us show you what you can do today to start a journey to more efficient and clean tomorrow for you and your business. Anyone can join our journey at any stage.

GA Drilling solution:

- Brings the missing element to renewables
- Reverse the current 75% fossil fuel energy scenario in 2035
- Saves 30% of annual global power sector CO₂ emissions by 2040
- Ensures the protection of our planet from black to green future

Igor Kocis
Co-founder/CEO

People

120+ Employees
15+ Doctorate level
60+ Master level
Executive Board

Igor Kocis  
Co-founder/Chief Executive Officer  
Igor is responsible for creating and implementing the strategic company direction, leading investment process and driving business. He brings more than 20 years of engineering, business development and managerial leadership experience. Igor was recently selected as one of the TOP 100 innovators in Central and Eastern Europe.

Dusan Kocis  
Co-founder/Chief Operations Officer  
Dusan is responsible for company operations, finance, human resources and strategic planning. He has almost 20 years of experience in R&D and business development, being the main driving force of the equity investment rounds and financing in the company.

Tomas Kristof  
Co-founder/Chief Technology Officer  
Tomas is responsible for Technology and Product Development. With more than 20 years of experience in R&D management he is specialized in process automation, electronics and embedded system communication for preserving reliability in harsh environments.

Advisory Board

Karl Farrow  
Chief Business Development Officer  
Karl is responsible for creating and implementing business and commercial strategy. He has over 30 years’ experience in Oil and Gas asset management, decommissioning, commercial contract management, joint operating agreements, joint venture contracts, project funding, IPOs, mergers and acquisitions within the International Energy Sector.

Adriana Jankovicova  
Chief Finance Officer  
Adriana has 20+ years outstanding record in CEE banking. She has successfully managed 350bn EUR large Austrian Erste Group as a Group Liquidity manager, as well as CFO. She contributed to transformation of the biggest Romanian bank, BCR, into profitable company. In QA Drilling her main focus is to ensure the company’s operational growth, business model and funding.

Sona Sodoma Lacuskova  
Chief Human Resources Officer  
Sona is responsible for leading HR team focused on recruiting and employee relations and administration. She has years of experience in designing and implementation of HR processes, personal development and internal communication. She worked in energetics, finances, pharmaceutics and IT businesses. Most recently she acted as HR Director in software company Sygic.

Ivan Kocis  
Co-founder/Chief Scientist  
Ivan is the expert adviser for the Research & Development Team, he brings new ideas for long-term development. He is engineering and industry veteran with 40 years of experience in leading positions with large organisations and successful start-ups. Acts as a member of scientific bodies of EU.

Gerald Grehmann  
Business Strategy  
Gerald has been Chairman of the Executive Board and President of Schoeller-Bleckmann Oilfield Equipment AG, the global market leader in high-precision components and leading supplier of oilfield equipment. The main focus is on drilling string components and hi-tech downhole tools for drilling and completing directional and horizontal wells.

Mikhail Gefgen  
Technology Development  
Mikhail has 50-years work experience in the petroleum industry. He has contributed a lot in realisation of scientific ultra-deep wells drilling projects, development of retrievable DTH bits and hard rock coring technology. Mikhail has published more than 50 papers and has tens of inventions.

Roy Barra  
Geothermal Energy  
Roy is experienced professional in the field of Engineered Geothermal Systems (EGS) for over 40 years, he directed several geothermal companies. Roy has been an advisor on EGS to governments and industries in Europe, USA, Australia and the Far East. As the Task Leader for the EGS Annex of IEA/GIA, Roy represented them at the Intergovernmental Panel on Climate Change. In 2018 Roy received GRC’s award for his contribution to EGS technology.

Floris Ansingh  
Business Growth  
In Royal Dutch Shell Floris acted as manager in Brasil, Netherlands, Argentina, Egypt and Turkey. His final position was a 10-year period as President and CEO of the Royal Dutch Shell companies in Saudi Arabia. Currently he is active in the Middle East in a wide range of Advisory and Consulting roles, operating from Dubai.
Cornelius Geary
Communication Strategy
Cornelius has extensive experience in corporate communications, media relations and public affairs focused on energy and petroleum segments. He acted as BP Petroleum Senior Director for Communications and Public Affairs, before as Senior Media Relation Director for Amoco Corporation with large portfolio of successful campaigns, crisis management and media relations background within the oil & gas industry.

Ted Halstead
Climate Policies
American climate expert and policy maker, co-founder and CEO of the Climate Leadership Council, an international research and advocacy organization for climate solutions. He is a co-author of the plan called “The Conservative Case for Carbon Dividends”, with respected USA politicians and business leaders.

Ferenc Farkas
Upstream Business Development
Ferenc has 28 years extensive business advisory and management experience in oil and gas business, as well as in investment banking and consultancy. He fulfilled various managerial positions in the area of upstream business development. Ferenc managed cooperation and strategic alliances in the upstream business for the Hungarian MOL Group worldwide. Currently, he is active with business development advisory mandates with prestigious companies.

Eric Redman
Climate-friendly Energy Projects
Eric is CEO of Thunderbolt Clean Energy LLC, an energy and climate consulting firm for clean energy companies. He is the former CEO of Summit Power Group, a developer of climate-friendly wind, solar, and carbon capture projects, and former Chair of the Energy & Clean Tech practices at a major international law firm.
Technology PLASMABIT® is Real Ground-breaker

- A high power rotating electric arc that reaches the temperature of the sun (6,000°C), yet it is safe to operate
- PLASMABIT® drilling tool disintegrates any materials – rock, steel, cement – without any physical contact
- PLASMABIT® performs exceptionally well in hard rock, resulting in order of magnitude greater rate of penetration
- Design of core technology systems completed and protected by 20+ patents in 10 countries of the world
- PLASMABIT® drilling platform is compatible with a conventional off-shelf modular system
- PLASMABIT® drilling platform enables to drill to the previously prohibitive depths of up to 10 km and unlock clean, inexpensive baseload geothermal energy anywhere.

PLASMABIT® Ultra Deep Geothermal Application

24/7 renewable zero-carbon geothermal energy replacing fossil fuels

Every single place on Earth has access to geothermal energy. In making it available and using it in the most efficient way, we need to learn, how deep and hot is the source of geothermal energy, what geological layers we have to drill through to reach the source, how many people and ways of using will this source serve, what needs are prior in the area and what functional partnerships are available in a region to carry out a project.

The difference is only in depth for achieving a needed temperature

Despite its tremendous promise, geothermal power is held back by one overwhelming limitation: the cost of conventional drilling grows exponentially with depth, limiting the economic viability of geothermal power to relatively shallow depths, available in only 3% of the populated world. PLASMABIT® overcomes this by offering much faster drilling - at ‘close to’ linear costs - to depths of up to 10km unlocking clean inexpensive baseload power in 70% of the world.

Ultra-deep geothermal system can be constructed in most global locations

We enable a scalable series of geothermal solutions, each deeper and more efficient. Using our patented PLASMABIT drilling system, extensive expertise of the conventional drilling from the oil & gas industry and best practices from successful geothermal projects worldwide we focus on the innovative subsurface systems. In conjunction with our partners, we combine this with the proven scalable surface infrastructure.
Industries Disruption through PLASMABIT® Platform

Significant time and cost savings compared to all existing conventional drilling technologies open vast opportunities in industries that are operating mostly in extreme subsurface conditions.

Environmentally Friendly Decommissioning

Thousand post-production wells worldwide have to be decommissioned. The operation is based on casing and tubing removal, then plugged to create a safe environmental barrier. PLASMABIT® technology can reduce time and costs by 30%.

Mineral Exploration

Raw materials demand is booming due to the proliferation of batteries and other new products. PLASMABIT® can transform the mineral exploration market through real-time data acquisition while drilling and unique 3D mapping.

Tunnelling

Today’s high cost valuation of megaprojects is closely linked to the productivity of tunnel boring machines. PLASMABIT® can reduce the time and cost of conventional boring to advance new transportation infrastructure development, both for under-city tunnels or hyperloop.

PLASMABIT® Features

PLASMABIT® drilling platform has clear step-change cost, performance, and working life advantages compared to a conventional mechanical bit in deeper depths. It is modular and can benefit from standard drilling industry equipment.

The deeper, the cheaper.

PLASMABIT® technology also reduces the economic risk of geothermal exploration by tapping the constant heat available at greater depths, instead of searching for isolated pockets of heat at shallow depths. PLASMABIT® drilling to greater depths also means higher temperatures, making energy production more efficient, which also reduces the cost of energy (LCOE).

Switch to Clean with PLASMABIT®

The end result of revolutionary PLASMABIT® drilling technology is a dramatic environmental and economic double-play: the most promising and abundant new source of clean energy is also the least expensive.

We can reduce costs

- Drilling costs Including casing
- Exploration
- Reservoir engineering
- Power plant
- Insurance and planning

50%
25%
10%
7%
8%

12%
13%
8%
50%
10%
7%
25%
Ultra-deep Geothermal Energy Brings a Local Value Production, New Jobs Creation and a Community Sustainable Living

The higher the temperature,
The cheaper electricity and direct heat

- 400 °C
- 300 °C
- 200 °C
- Direct Heat

10 KM

Geothermal Power Plant
Electricity
Hydrogen Fuel for Transport
E-mobility
Heating & Cooling
Food
Desalination of Sea Water

200 °C

The higher the temperature, The cheaper electricity and direct heat
We Believe in

**TRUST**
Giving and receiving trust is fundamental for us.

**CREATIVITY**
We always think big and seek for ways which others don’t.

**EXCEPTIONALITY**
We are the best in things that really matter.

**COURAGE**
Striving for success, learning from failures. Getting through anything.

**OWNERSHIP**
Personal accountability for own actions and results.

Our Excellence

- 12 years in the R&D for drilling, well construction and intervention
- Thousands of tests – our technology drilled through all materials with a high rate of penetration with proved lifetime in well high temperature and high-pressure environment
- Capability to test and simulate from idea to manufacturing: 80% of components manufactured in own professional facilities
- A synergy of geothermal, drilling and cleantech expertise in the team and Advisory Board
- 20+ unique technology inventions and technical solutions and 4 utility models
- State of the art Technology Centre, covering 4000 m²
- Passes due diligence by industry, major banks and energy companies
20+ grants for drilling, well construction and intervention - majority of them by European Union

Passed Due Diligence / Industry and Technology Validation from Major Banks, Energy Companies Accredited by DNVGL, World's leading Energy Validator.

MOL Group - Secured 1st License for Geothermal Well Site with Major Central European Energy Company in Hungary to further develop PLASMABIT® Geothermal Drilling.

Seal of Excellence - Successfully stepped over the quality threshold score within the European Horizon 2020 programme’s SME instrument EIC Accelerator.

Achilles FPAL - Undergone a verified supplier audit under the FPAL Achilles programme for Health & Safety, Quality Management and Competency Training.

InnoEnergy - Passed Due Diligence / Industry and Technology Validation by DNVGL, World’s leading Energy Validator.

Quality management system assessed and certified as meeting the requirements for R&D in the field of natural sciences and relevant administration.

Environmental management system assessed and certified as meeting the requirements for R&D in the field of natural sciences and relevant administration.

○ Industry Partners
○ R&D Partners
○ Investors

130 Non-Disclosure Agreements
14 Memorandums of Understanding
Slovakia | United States | United Kingdom | United Arab Emirates

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