



RANGE OF OPPORTUNITIES





## TOMASZ NIETUBYĆ

Chairman of the Board

“ Prodigio carries out its mission of the constant search for and use of the potential inherent in waste, in accordance with the idea of:

‘Prodigo - source of potencial’

Our mission is to discover and explore, as much as possible, the potentiality of waste.

I invite you to cooperate. ”

## Our team



**Mateusz Mazur**

Chairman of the  
Supervisory Board



**Piotr Przygoński**

CEO



**Adam Jaremkiewicz**

Director of the Finance  
Department



**Katarzyna Hoffman-Zyśk**

Director of the Law  
and Administration Department



**Piotr Ginalski**

Commercial Director



**Jarosław Wróbel**

Production and  
Development Director



**Przemysław Jacków**

Commercial Director for  
Metals



**Piotr Brzeziński**

Head of Investor  
Relations

# RANGE OF OPPORTUNITIES

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# 01

## Alternative Fuel Production Plants



4 production lines



200,000 Mg (tons)  
of fuel per year



50 kinds  
of waste



mixtures with a calorific value  
above 24 GJ / Mg  
and chlorine content below 0.7%.)

PRODIGO Group specializes in the production of high energy blends of alternative fuels for the cement industry. We are one of the leading producers of this type of fuel in the Polish market.

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### The output material

We acquire 50 types of waste for processing including rubber, wood waste, paper, plastics, oils, solvents, and paints.

### Product

The main product of the plant is RDF mixtures with a calorific value above 24 GJ / Mg and a chlorine content below 0.7%. We implement long-term contracts concluded with companies from the cement market as well as the energy and heating markets, supplying up to 15,000 Mg of fuel per month.

### Infrastructure

Historically, the foundation of the alternative fuels segment was Prodigio sp. z o.o., founded in 2007 and, since 2018, its operations have been supplemented by its twin entity - CemEnergy sp. z o. o. We have four production lines installed in alternative fuel production plants in Gromadka (Dolnośląskie Voivodeship) and Skarżysko Kamienna (Świętokrzyskie Voivodeship). The processing is based on the technologies of domestic and foreign technical partners. The plant capacity is up to 200,000 Mg (tons) per year.





# 02

## Metals and Castings



6 innovative process lines



40,000 Mg (tons) of aluminum  
and steel scrap / year



11,000 Mg (tons) of aluminum  
castings / year



44 types of metal waste

### The output material

Our separation and recycling installations allow processing of 44 types of metal waste including aluminum, copper, bronze, brass, zinc, lead, and iron. These are light-steel scrap fractions, mixed fractions from municipal waste sorting plants (metal packaging, cans, other thin-walled aluminum) as well as derivatives from the production of alternative fuels produced by PRODIGO.

### Product

We process the starting material into steel scrap with a high purity fraction. We also produce aluminum granules used as a deoxidizer in the steel smelting process, and other metal granules. Raw materials obtained from the recycling of metals, in particular aluminum, are used in the transport, construction, and packaging sectors as well as in the steel and electric power industries. The recipients are steel and non-ferrous metal ironworks, foundries, and scrap metal wholesalers.

### Infrastructure

Two companies conduct operations in the scrap and metal recycling segment; Prodigio Recykling sp. z o.o. mainly conducts activities as part of aluminum foundry processes at the Aluminum Scrap Recycling Plant in Wrocław. In turn, Prodigio Metal Recovery sp. z o.o. deals with the processing of ferrous and non-ferrous metals and scrap cleaning within the plant in Mirosławice.

On the premises of the Non-ferrous Metal Scrap Processing Plant in Mirosławice (Lower Silesian Voivodeship) we have, among other things, installations for recovering metals from pre-sorted waste, granulation of non-ferrous metals as well as waste treatment including scrap and light bulbs. This plant works closely with the aluminum foundry in Wrocław and alternative fuel production plants.





# 03

## Pyrolysis



4 technology lines



12,000 Mg (tons) of waste per year



44 types of waste



### The output material

We mainly acquire waste from the rubber industry and rubber production for processing, as well as used tires. The alternative possibilities to pyrolysis for managing this waste, for example, by reclamation of industrial areas, are currently decreasing across the region and in Poland as a whole.

### Product

The pyrolysis process involves thermal decomposition of rubber waste. This low waste technology produces three product streams: liquid - in the form of pyrolysis oil, solid - carbonizate (technical carbon black) and gas - pyrolytic gas, used for re-heating the reactor or producing electricity. Pyrolytic oil and carbonizate (soot) are sold directly to customers. They may also be subject to further refining.

### Infrastructure

AG Recykling sp. z o.o. with its registered office in Wroniawy (Greater Poland Voivodeship) is responsible for the development of this segment. Waste processing is carried out using a gas-heated rotary reactor. We implement this process in an innovative installation with a capacity of 1000 tons of waste per month, consisting of four parallel technological lines.



# 04

Quality Control  
Laboratories





We are one of the few companies in this segment that has its own laboratories and we can confidently say that this is our next distinguishing factor against the background of the industry.

Modern measuring equipment allows for professional laboratory testing of samples of alternative fuels, municipal and industrial waste, and hard coal. The laboratory is equipped with the highest class of equipment and performs a variety of analyses.

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**The laboratory is equipped with the highest class of equipment and performs tests in the following scope of analysis:**

- Determination of heat of combustion by calorimetric method (IKA calorimeters) and calorific value of calculations
- Determination of carbon, hydrogen, and sulfur content by high temperature combustion with IR detection (ELTRA)
- Determination of total and analytical moisture content and ash content
- Determination of chlorine content
- Grinding of even atypical materials using liquid nitrogen (cryogenic mill MsSpectrum companies)



# 05

Research Projects  
- R&D Department



Total Waste  
Management

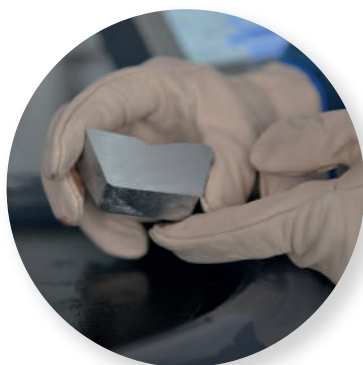


The Research and Development Department of the PRODIGO Group is our compass;

- it sets new paths and bravely undertakes challenges regarding new technological solutions. It is made up of a team of employees and associates (including scientists who have patents in the field of waste processing) with many years of experience in the field of industrial waste management.

The department's work is focused on seeking the use of innovative technologies in the waste processing process in order to increase the quality of the final product and/or optimize the process itself.

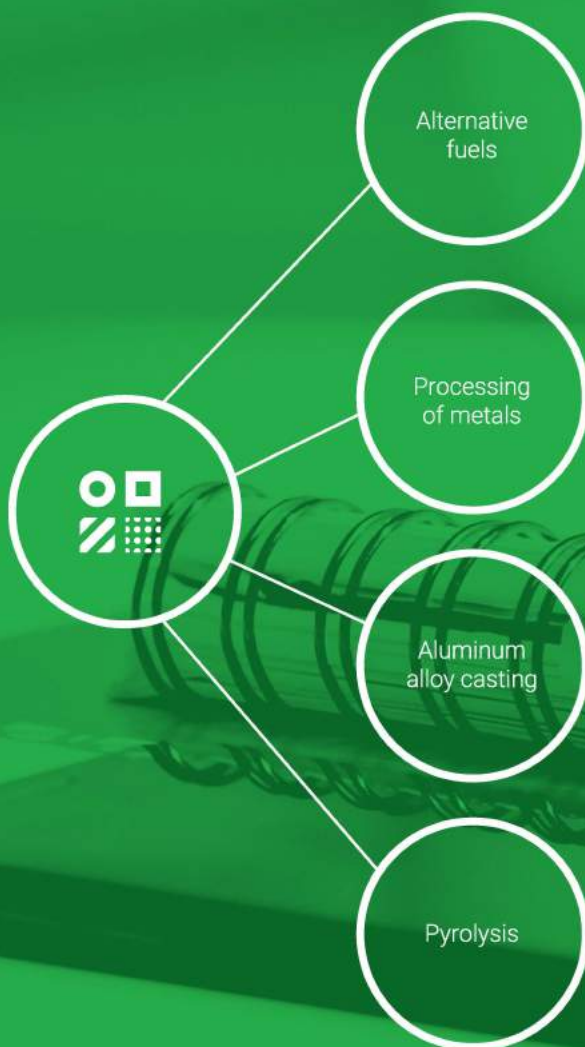
The R&D team is implementing a research project dedicated to developing a method for producing functional ceramic products: silicon carbide and silicon oxycarbide, from organosilicon resins. For this purpose, we have received funding of over PLN 5 million (with a total project value of PLN 8 million) from the National Center for Research and Development (NCBiR). It also initiates and runs a number of other projects supporting innovation and technological expansion of the PRODIGO CG.



Projekt współfinansowany/finansowany przez Narodowe Centrum Badań i Rozwoju  
w ramach Programu Operacyjnego Inteligentny Rozwój 2014-2020

# 06

## The Blue Line

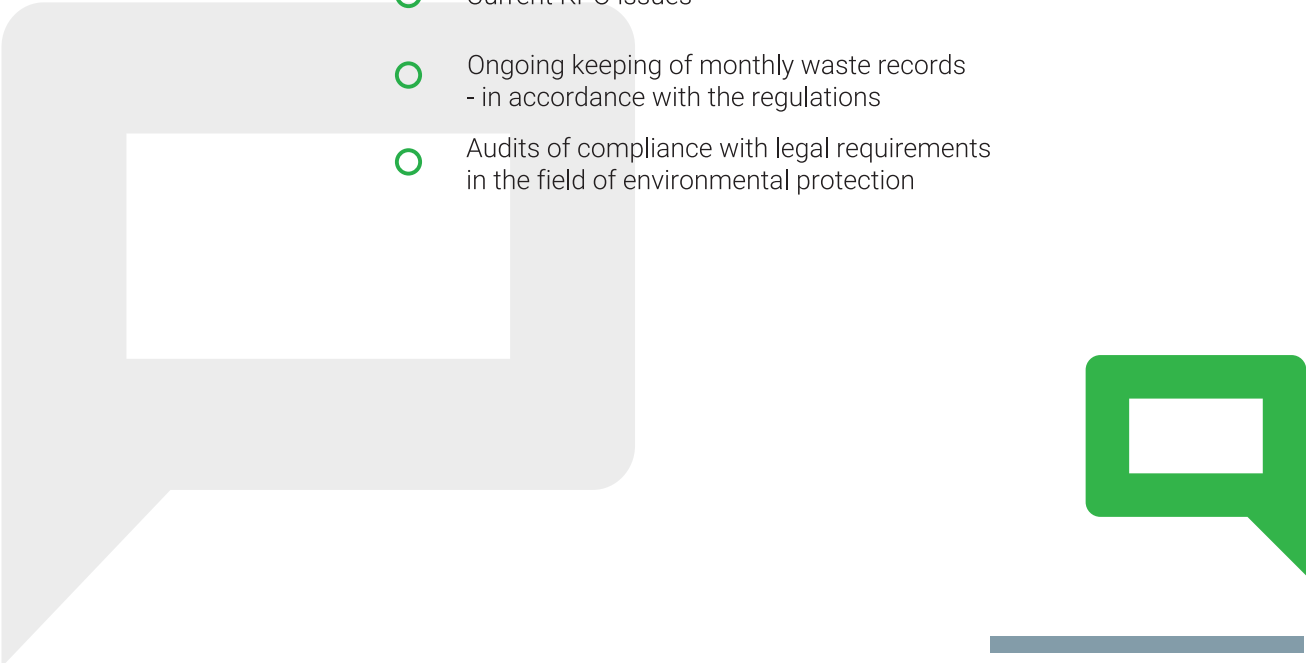




To meet the expectations of our current and future contractors, the Prodigio CG has prepared for you a unique offer on outsourcing matters related to environmental protection in your Company.

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For this purpose, a special department employing high-class specialists operates in the structures of the Prodigio Capital Group, which offers to take over the current comprehensive conduct of all matters related to the fulfillment of obligations arising from environmental conditions in your company, including:

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- Current KPO issues
  - Ongoing keeping of monthly waste records  
- in accordance with the regulations
  - Audits of compliance with legal requirements  
in the field of environmental protection

As part of its cooperation, the Prodigio CG will ensure continuous supervision of specialists over your plant (if necessary, the permanent presence of a resident depending on current needs), representing the entity in the event of inspections by authorized environmental protection bodies (e.g. VIEP, RDEP, Marshal's Office, Poviast Starosty, representatives of the Commune etc.) or internal and external audits.



[prodigo.eu](https://prodigo.eu)