

BAIKOWSKI® CORPORATE PRESENTATION

Your solution partner for fine minerals



Baikowski® 

<https://www.baikowski.com/>



A LONG-TERM VALUE-CREATION STRATEGY



Customer oriented innovation

Vision

- Be the preferred innovation partner for high-end technical applications within the specialty chemical market



Customized products & solutions

Mission

- Anticipate and meet our customers' needs through customized innovative products and solutions



A century of successful collaborations

Values

- Customer focused
- Teamwork oriented
- Agile
- Innovation driven



Corporate Social Responsibility

Sustainability

- Environmental & Energy policy
- Sustainable applications
- Local initiatives



Baikowski®

FACTS & FIGURES

Turnover



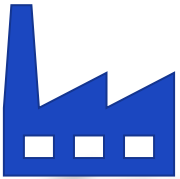
2022 **53,0M€¹**
2023 **36 M€¹**



**SINCE
1904**



3 continents



5 industrial sites



165 employees¹



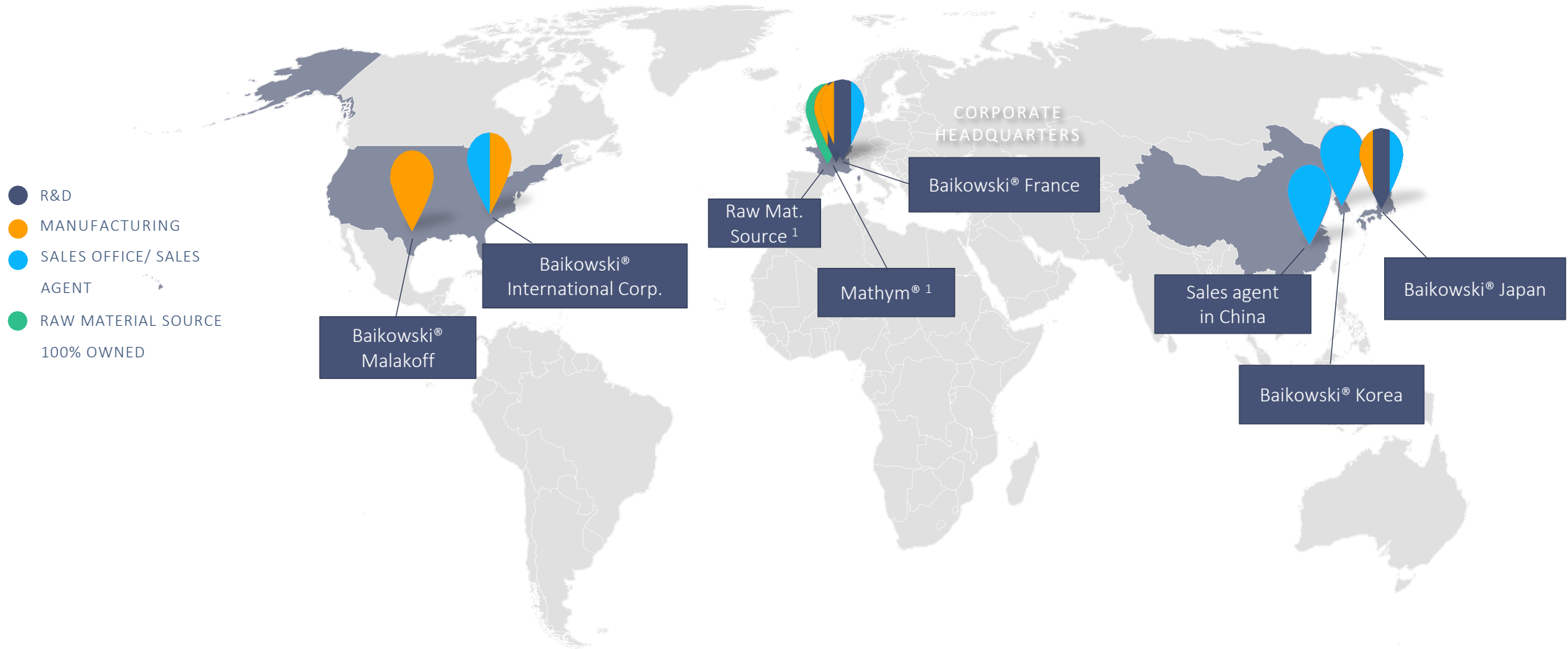
4 certifications

- ISO 45001:2018²
- ISO 14001:2015²
- ISO 9001:2015^{2,3}
- ISO 22000:2023²



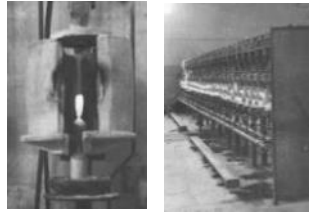
¹ - without joint-ventures in Japan & Korea.
² - in Baikowski® France
³ - in Baikowski® Malakoff

GLOBAL COVERAGE



¹ - 100% owned by Baikowski®

MORE THAN 120 YEARS OF GROWTH & INNOVATION



« La Pierre Synthétique Baikowski » was founded in Paris area, by Baikowsky brothers, to make crystals

1904



The company started diversification into other markets

1960

Baikowski® refocused its strategy on powder production

1982



The company purchased Baikowski® Malakoff Inc., TX from Alcoa

2001



Baikowski® opened a sales office in Seoul, South Korea

2010



Baikowski® acquired 100% of Mathym®

2019

1919

The company settled in Annecy



1954

Baikowski® plant was built in Poisy

1979

Baikowski® International Corp., in Charlotte, NC was born



1988

The joint-venture Baikowski® Japan Corp. was born



2005

The raw material source Alko, joint-venture 50/50 with Feralco, was created

2011

Baikowski® hired sales agents in China



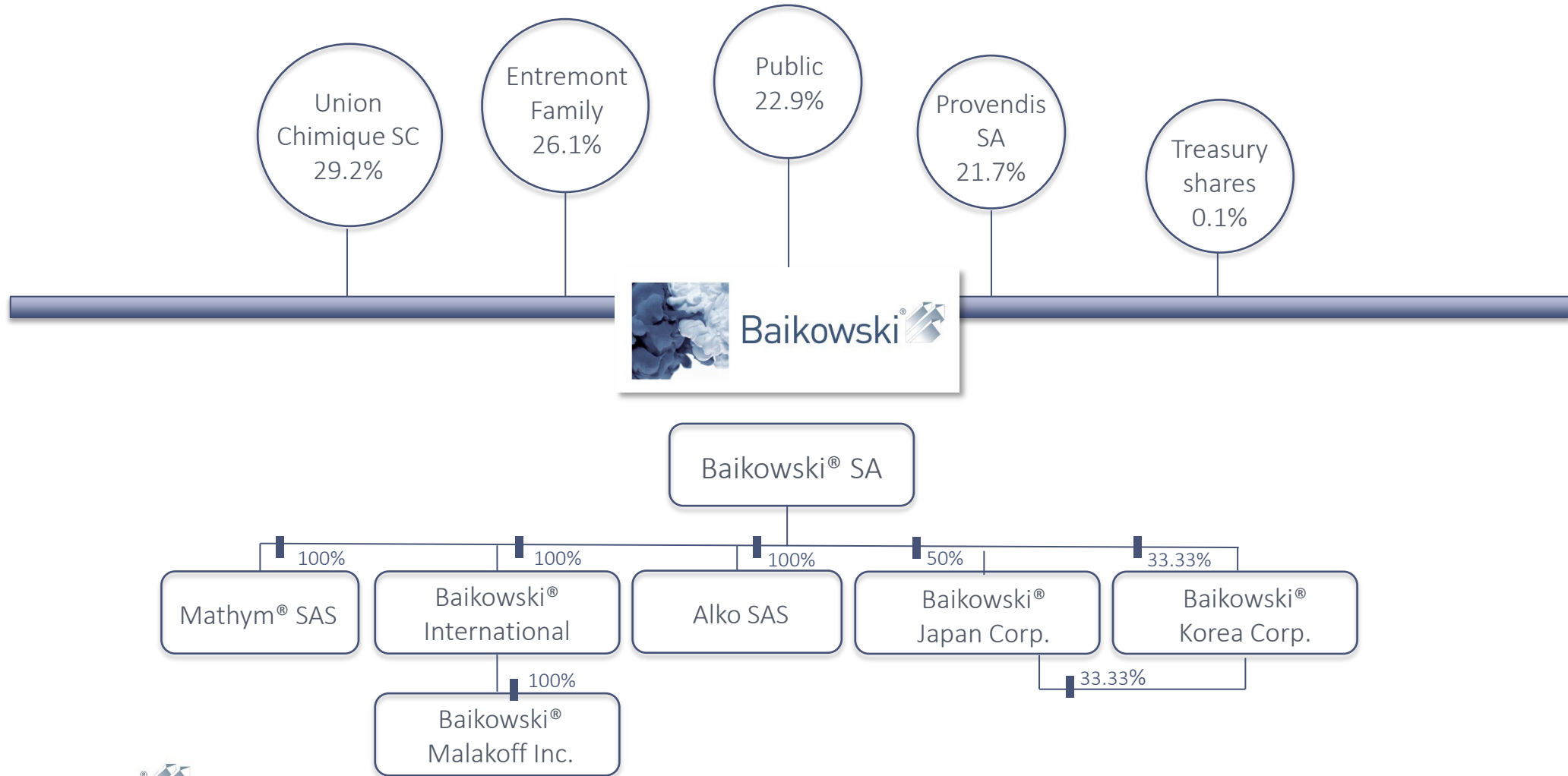
2018

Baikowski® acquired 100% of Alko, strategic raw material source

Baikowski® was successfully listed on the Stock Exchange



GOVERNANCE*



*01/03/23

EXECUTIVE COMMITTEE



CEO

Benoît
GRENOT



*QHSE
Director*

Isabelle
Hartemann



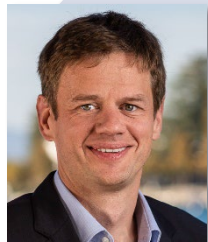
*Senior VP
Americas*

Justin
OTTO



*BJC
President*

Takashi
SHIGETA



*R&D
Director*

Julien
FOURCADE



*HR
Director*

Christian
SAUVAGE



CFO

Jean-Christophe
LE FLOCH



*Operations
Director*

Christophe
BARNEOUD



*Technical
Director*

Pascal
LEROY



*Global Sales
Director*

David
VOISIN

CORPORATE SOCIAL RESPONSIBILITY

Environmental & Energy policy

- Awardee of “Expedite the industrial transition” launched by The French Agency for Ecological Transition, ADEME
- Carbon footprint reduction

Sustainable applications

- Light weight composite structures
- High power LED for automotive
- Electrical vehicles

Local initiatives

- Reduction of noise emissions
- Long-term projects within conurbation



CORPORATE SOCIAL RESPONSIBILITY

Reducing our carbon footprint

by decarbonizing our processes, constantly improving our production processes and the energy efficiency of our equipment

Minimizing our consumptions

to reduce the amount of waste emitted from our activities, and to preserve the environment while sustaining our economic model

Establishing Water Efficiency Plan

Water is essential in our production process and have to be managed in a very responsible manner

Improving waste recovery

Since March 2023, we can also adress the agri-food market, in particular the sugar market, for our BiNa by-product thanks to the ISO 22000 certification

OUR 2030 COMMITMENT

- 45%

Greenhouse Gas emissions



OUR PRODUCTS



High Purity Alumina



YAG



Spinel



ZTA/ATZ



Ceria



Polishing solutions



Mathym Nanodispersions



WE ARE EVERYWHERE



Flying **further**



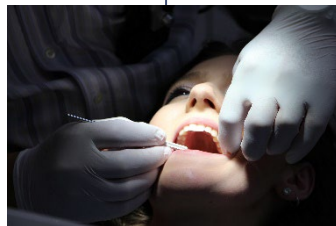
Making **stronger** luxury goods



Making lights **luminous**



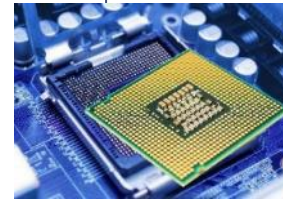
Making defense equipment **tougher**



Making smiles **brighter**



Making surfaces **smoother**



Making electronic devices **more efficient**

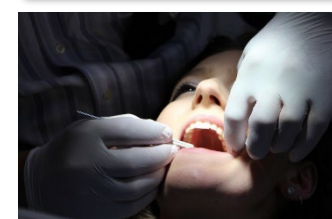
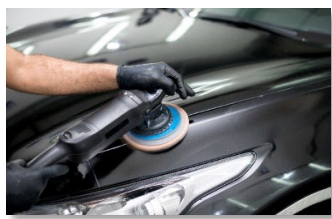
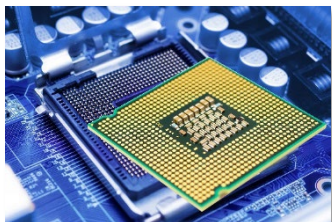


Making batteries **safer**



Baikowski

MAIN MARKETS



Electronics

(Semiconductor, CMP, thermal insulation, heat sink)

Automotive

(Head lamps, car polish)

Energy

(Batteries, fuel cells, hydrogen)

Aerospace & Defense

(Armor windows, cameras, infrared sensors, CMC turbine engine, thermal protection systems)

Medical

(Bioceramics, medical imaging, hips implant, intraocular lens polishing, pacemaker polishing)

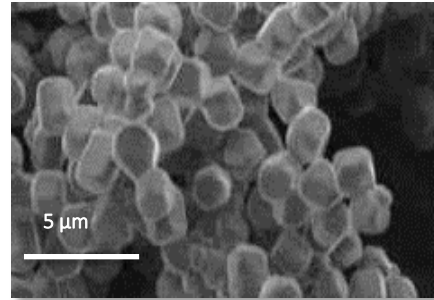
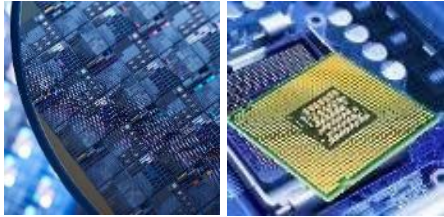
Watch & Phones

(Sapphire glass, ceramic pieces)



Baikowski®

ELECTRONICS



High Purity Alumina



Thermal management paste



Thermal management

Examples:

- CMP slurry
- Additives for thermal insulation
- Heat sink



Polishing solutions



CMP slurry



Semiconductor



AUTOMOTIVE



Examples:

- Car care polishing compounds
- Ceramic coating for sensor



High purity alumina



Varnish polishing



Car polishing



YAG



Ceramics convertors

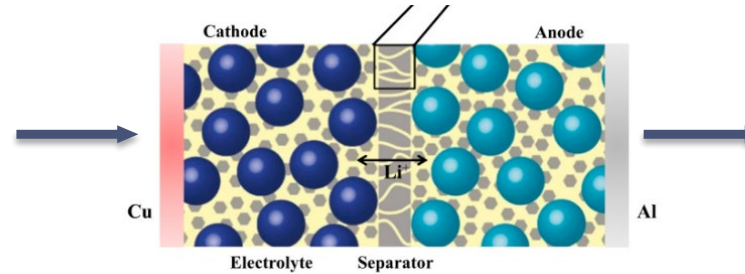


High power LED

ENERGY



High Purity Alumina



Separator coating



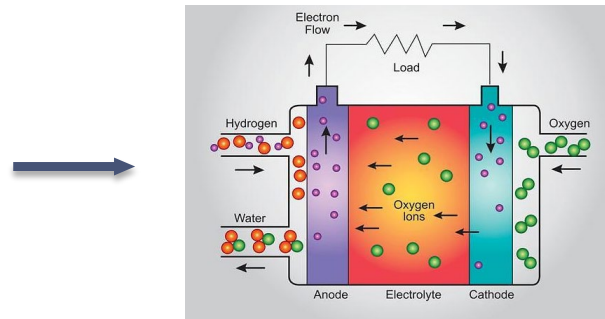
Batteries

Examples:

- Batteries separators, Anodes & Cathodes
- SOFC



Nanozirconia



Solid electrolyte



Fuel Cells, Hydrogen



AEROSPACE & DEFENSE



High Purity Alumina



Ceramics Matrix Composites (CMCs)



Airplane

Examples:

- Transparent armors for defense
- Alumina, Mullite and Zirconia compounds for CMCs



Spinel



Armor window



Defense

MEDICAL



Examples:

- Bioceramics – orthopedics & dental
- Precision polishing – intraocular lenses
- YAG crystals for precision optics
- Polishing slurries for optics/optoelectronics/bioceramics



ZTA (Zirconia Toughened Alumina)



Hip prosthesis



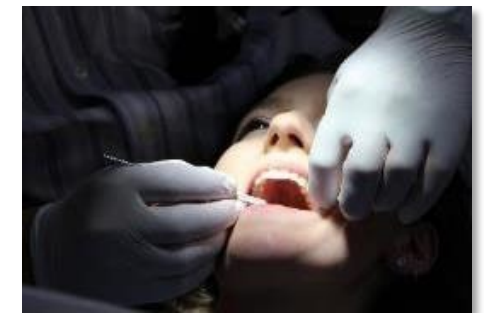
Orthopedic Bioceramic



Nanodispersion YbF_3



Radiopacifier



Dental composite



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WATCH & PHONES



Examples:

- Verneuil crystals & transparent ceramics - tops
- Injected ceramic parts - wrists & cases
- Precision polishing powders & slurries
- Materials for scratch-free phone screens (single crystal, ceramics, glass)



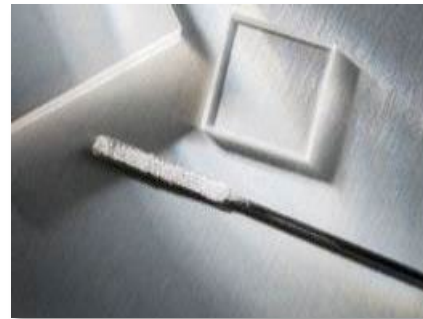
High Purity Alumina



Sapphire watch glass



Watchmaking



Spinel



ID Touch®



Phone



CUSTOMIZATION

We provide customers & partners with
customized solutions



Baikowski® 



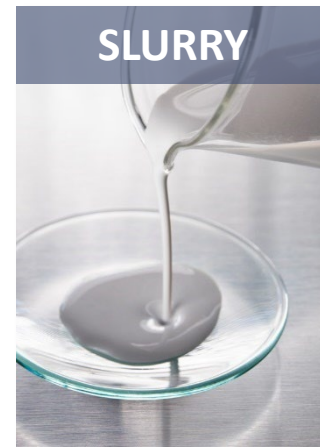
Customized
products
& solutions

1. Chemical composition and purity

- Stoichiometry
- Dopants
- Pure from 99.9% to 99.99% and beyond

2. Physical characteristics

- Specific Surface Area
- Mean Diameter
- Size Distribution
- Sinterability
- Flowability



3. Processing

> Powder

- Agglomerated
- Jet milled (-CR)
- Ball milled (-DBM)
- Wet milled (-PS)

> Slurry in various solvent

- > Spray dried powder (-W)
- > Spray dried with binder system (-WL), *Ready-To-Press*



Baikowski® 

OUR EXPERTISE

We support our customers & partners throughout their projects by leveraging our know-how and expertise



A century of successful collaborations





Baikowski® 

 Customer oriented innovation

 Customized products & solutions

 A century of successful collaborations

 Corporate Social Responsibility

Your solution partner for fine minerals



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Your solution partner for fine minerals

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