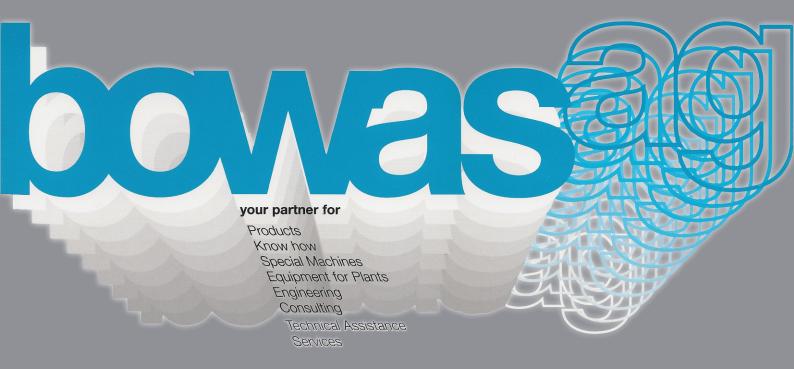


BOWAS AG für Industrieplanung Industriestraße 13b 6300 Zug SWITZERLAND

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BOWAS AG was originally founded in 1975 as the international marketing instrument for the Bohlen Industrie/WASAG Chemie activities. This is also how the name BOWAS came about.

Although successful in this role, BOWAS AG very quickly moved into more challenging and independent areas of operation.

The combination of a profound knowledge of international markets and the wide range of technology at its disposal, stemming initially from the companies within the group, but later being enhanced through cooperation with a number of reputable partners, has made it possible for BOWAS AG to establish itself as a competent partner for products, technologies, machines and equipment as well as engineering services for the explosives related industries.

We market the following products and services:

Products on behalf of or in cooperation with:

Nitrochemie Aschau GmbH in Aschau/Inn, Germany Nitrochemie Wimmis AG in Wimmis, Switzerland Fr. Sobbe GmbH in Dortmund, Germany Nitro-Chem S.A. in Bydgoszcz, Poland Borregaard Industries Ltd. in Sarpsborg, Norway

Machines and Equipment:

Extruder Experts GmbH & Co. KG in Monschau-Imgenbroich, Germany Rheinmetall Denel Munition Ltd., South Africa Ferrum AG in Rupperswil, Switzerland Metzner Maschinenbau GmbH in Neu-Ulm, Germany Battaggion SpA in Bergamo, Italy Mechatronik Maschinenbau Ges.m.b.H in Kufstein, Austria Global Engineers Ltd. in New Delhi, India

Together ahead. RUAG























Feasibility studies

Project management

Plants & Technology:

Bowas Induplan Chemie Ges.m.b.H in Salzburg, Austria Nitrochemie in Aschau, Germany and Wimmis, Switzerland Nammo Vihtavuori Oy in Finland PB Clermont S.A. in Engis, Belgium Rheinmetall Denel Munition Ltd., South Africa Nigu Chemie GmbH in Waldkraiburg, Germany **RUAG Munition** in Altdorf, Switzerland Explomo Technical Services Pte Ltd. in Singapore Plinke GmbH in Bad Homburg, Germany

who is our sister company is specialized in:

Basic and detail engineering
Turn-key plants
Modernization of plants or process
units
Specification, procurement,
inspection, acceptance and shipment of equipment
Process know-how, transfer of
technology, technical assistance
Supervision, installation, start-up
Training of personnel

Management assistance

in particular in the following fields:

Linters treatment
Nitrocellulose
Nitroguanidine
Acid reconcentration
Waste gas cleaning/Waste water
treatment in explosives factories

Single-base propellants, solvent and solventless double-base and multibase propellants Ball grain powder

Ball grain powder
Black powder
Paste and Mastermix
Combustible cartridges

NTO PBX

RDX HMX

Nitroglycerine

Filling plants including biscuit plants

Single machines and technology for propellant plants such as shear roll mill, isostatic blocking, batch and continuous extrusion, graining device, cutting machines, etc.

Disassembly of ammunition
Thermal disposal of explosives
and ammunition
Recycling of explosives and
ammunition
Thermal treatment of soil
contaminated with explosives























bowasag

bowas sales network and customer base

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Bern/Zurich/Uster
Geneva Ankara
Madrid Rome
Athens Toronto Peking Seoul Shaanxi Tokyo Radford New York Washington Kathmandu Taipei Me**xico** City Manila Djakarta Johannesburg Sao Paulo Brisbane Cape Town Sydney Santiago de Chile Melbourne Buenos Aires