

**Our competence sets benchmarks**



# Nitrochemie alignment





## *Most modern equipment by world standards*

Within Rheinmetall Defence, the companies NITROCHEMIE Aschau GmbH and NITROCHEMIE Wimmis AG are combined into one entrepreneurial unit under the roof of the Management Company NITROCHEMIE AG domiciled in Wimmis, Switzerland.

NITROCHEMIE is a general contractor for complete charge systems and a partner of the defence industry in the international market.

NITROCHEMIE is known all over the world as a producer and contract manufacturer of chemical intermediates.

With Papersave Swiss – the paper de-acidification plant of the Swiss Confederation – NITROCHEMIE makes a valuable contribution to the preservation of cultural assets on paper.

**Defence**

**Chemistry**

**Papersave Swiss**



## Artillery and mortar systems



### *Main contractor for the German and Swiss army*

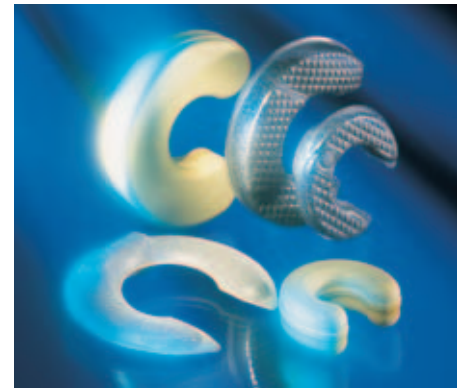
Fully 155 mm bi-modular charge system DM72 and DM82 (basic charge) with all benefits for the user, and logistics for all barrel calibres (L39, L45, L47 and L52).

Semi-modular 155 mm container charge system for combat rate enhancement programmes for in-service systems (M109) for the achievement of maximum ranges.

Modern charge systems for mortars with ignition charge, container (horseshoe) and propellant represent a complete unit.

Various applications in the area of 51 – 120 mm mortars have already been developed, qualified according to international standards and guidelines and put into service with success.

The charge systems satisfy the requirements of the «Joint ballistic memorandum of understanding».



## High-performance components



## *Our partners are leaders in their field*

One of NITROCHEMIE's important strategic positions is the range of high-performance components for small- to large-calibre ammunition systems with temperature-independent characteristics. This is a globally leading technology of proven system compatibility. It offers significant advantages in all those applications where highest performance is required (subcalibre ammunition types such as APDS, FAPDS and APFSDS).

NITROCHEMIE offers all types of single- and multi-base powders with and without surface coating for the entire ammunition spectrum from 5.56 mm to 203 mm.

The design and production of combustible ammunition components are other special core capabilities.

Thanks to a high adaptability and flexibility, NITROCHEMIE is in a position to offer customized solutions for all applications.



activities, such as special gas generators for safety systems in motor cars and for medical applications.

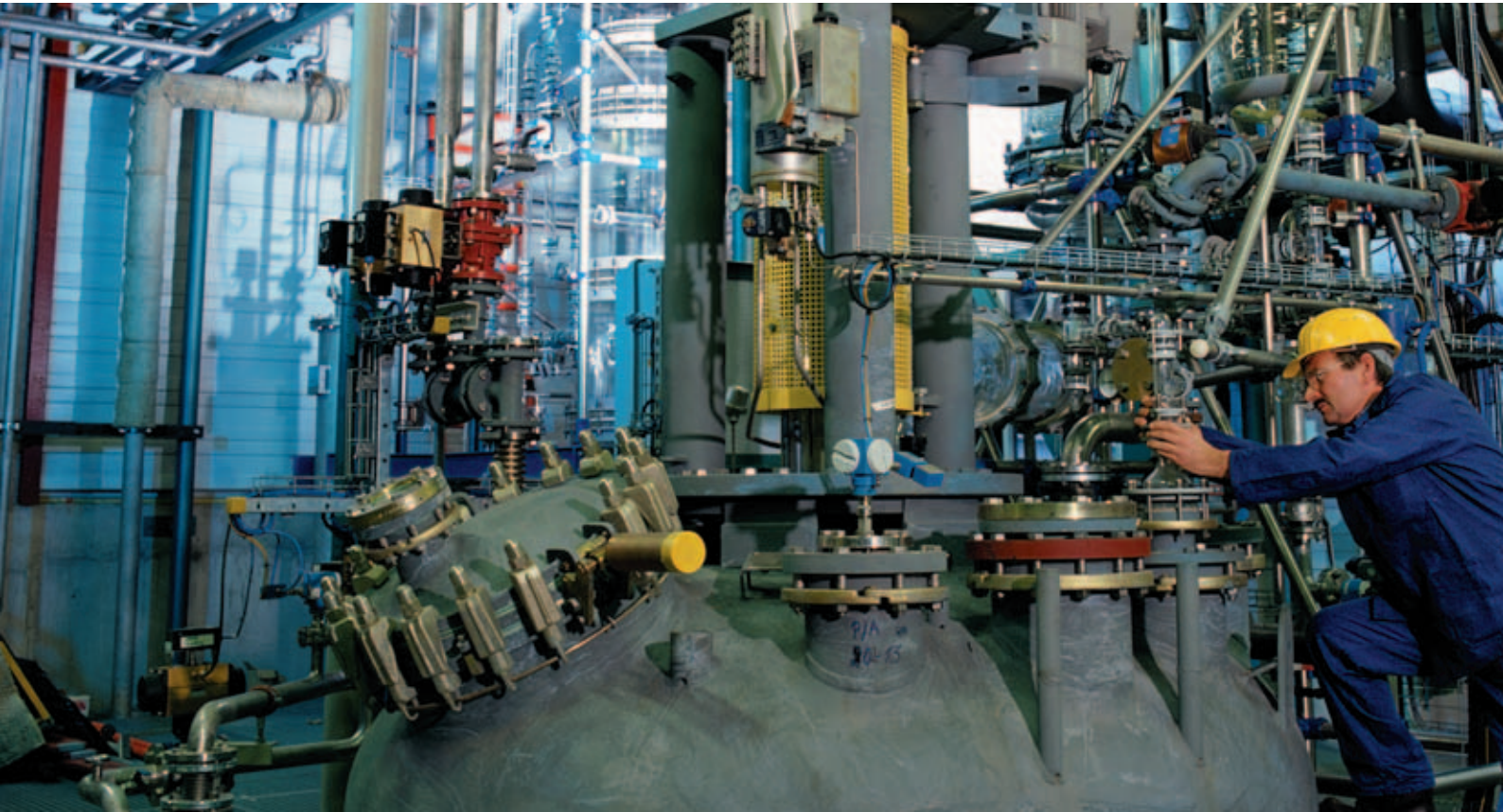
Production and distribution of nitrocellulose and propellant pastes as intermediate products for military engineering purposes and the civil industries for dynamite and pyrotechnics.

### **We are busy on the future**

The requirement and need for a timely preparation of ammunition components of insensitive character are identified. This is why the future of this technology is currently given maximum priority. The routes pursued concern the development of propellants and propulsion systems of a proper LOVA character and the development of components providing a maximum performance at optimal LOVA properties.



**Partner for the chemical industry**



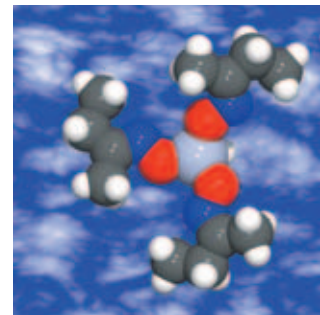


*Our success is the satisfaction  
of our customers*

NITROCHEMIE is an established producer and supplier of chemical intermediates needed in the chemical, pharmaceutical, building chemical, agrochemical and photochemical industries.

Our priorities are on silanes, acid chlorides, epoxides and inorganic peroxides. With these traditional and well-proven product groups NITROCHEMIE meets the demand of growth markets.

As a contract manufacturer NITROCHEMIE has become a partner of numerous multinational companies. Its organizational structure enables Nitrochemie to deal with the specific requests of its customers at short notice to satisfy them rapidly and with high flexibility.



A contribution to the preservation of cultural assets



## ets on paper

### *Extends the life span by decades*

NITROCHEMIE operates the most modern plant for the de-acidification of papers which are threatened to be destroyed by acid.

Depending on the format, this plant can treat up to 1000 kilograms of books or records simultaneously in less than two hours. Apart from the three-dimensional de-acidification, an alkaline buffer is applied to the paper to postpone the decomposition due to acids by at least 100 years.

The total capacity of Papersave Swiss amounts to more than 120 tons per annum, of which 40 tons are reserved to interested institutions, companies and private persons.





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