



#### KEY BENEFITS:

- **55 YEARS** experience in design, manufacturing and commissioning of mining equipment.
- **EXPERIENCED FIELD SERVICE TEAM** (mechanics, hydraulic, electrical engineering, electronics).
- **COMPLETE PRODUCTION** of manufacturing cycle on our own modern equipment
- **EQUIPMENT MANUFACTURED** by NPGM meets all necessary safety requirements during operation

#### OUR CUSTOMERS:



#### MORE INFORMATION:

Also you can find more information about our company and its products on the web-site [www.npgm.ru](http://www.npgm.ru)

#### CONTACTS:

1 Simskaya St., Yekaterinburg city,  
620024 Russian Federation  
tel: + 7 (343) 295-85-07  
fax: + 7 (343) 256-87-49  
e-mail: [main@npgm.ru](mailto:main@npgm.ru)  
[www.npgm.ru](http://www.npgm.ru)



## ADVANCED MINING EQUIPMENT

MIXING-CHARGING TRUCKS ▶  
MODULAR PORTABLE EMULSION PLANT  
MMTL ▶ RAISE CLIMBERS ▶ MAIN MINE  
VENTILATION FANS ▶ BOOSTER FANS



Since 1958 NPGM has specialized in development, production and implementation of a broad range of products for both underground mines and open cast mining



## MODULAR PORTABLE EMULSION PLANT MMTL FOR THE MANUFACTURE OF EMULSION EXPLOSIVE COMPONENTS

### MMTL IS CAPABLE OF:

- ▶ Receiving, preparing, and refining primary components into non-explosive semi-finished products (emulsion explosives).
- ▶ Preparing emulsion and other emulsion explosive components.
- ▶ Loading non-explosive components into Mixing-Charging Trucks (MCTs).
- ▶ Producing "mixed on the job" blasting agents.

### KEY BENEFITS:

- Major construction work is not required.
- Cost-effective blasting by cutting costs for the production of explosives.
- An automatic control system provides 24-hour production and others.



Implemented project for the gold mining company (UGK), Russia



A design project located at a manufacturing site

## MCTs FOR MANUFACTURING DIFFERENT TYPES OF EXPLOSIVES (ANFO AND EMULSION BLENDS)

### KEY BENEFITS:

- **SAFETY.** MCTs convert chemicals into explosives at the blast site, eliminating the risk of transporting explosives which, in turn, improves safety.
- **PROFITABLE.** Using MCTs you can save time and money, as compared with commercial explosives (costs relating for transporting, storing, using additional staff).
- **THE AUTOMATIC CONTROL SYSTEM.** The automatic system provides an accurate measuring of blasting compounds, ensures full traceability of production processes, and oversees all safety features.



MZ-3B-15-KM with a truck loader crane on the basis of Scania



MZU-25 for manufacturing emulsion blends (70/30, emulsion)

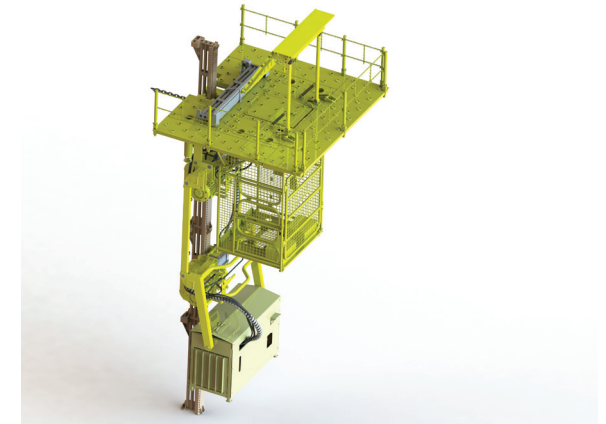


Mixing-Charging Truck and Emulsion Plant on a common chassis SZMZ-14



Delivery truck for non-explosive components

## EQUIPMENT FOR UNDERGROUND MINES



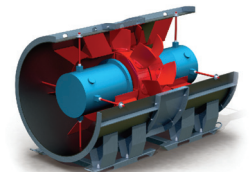
Raise climbers are intended for driving the raises in nongaseous-and-dusty mines using a drilling-and-blasting technique



Main mine ventilation fans



Charging Units for Underground mining



Booster fans for mines