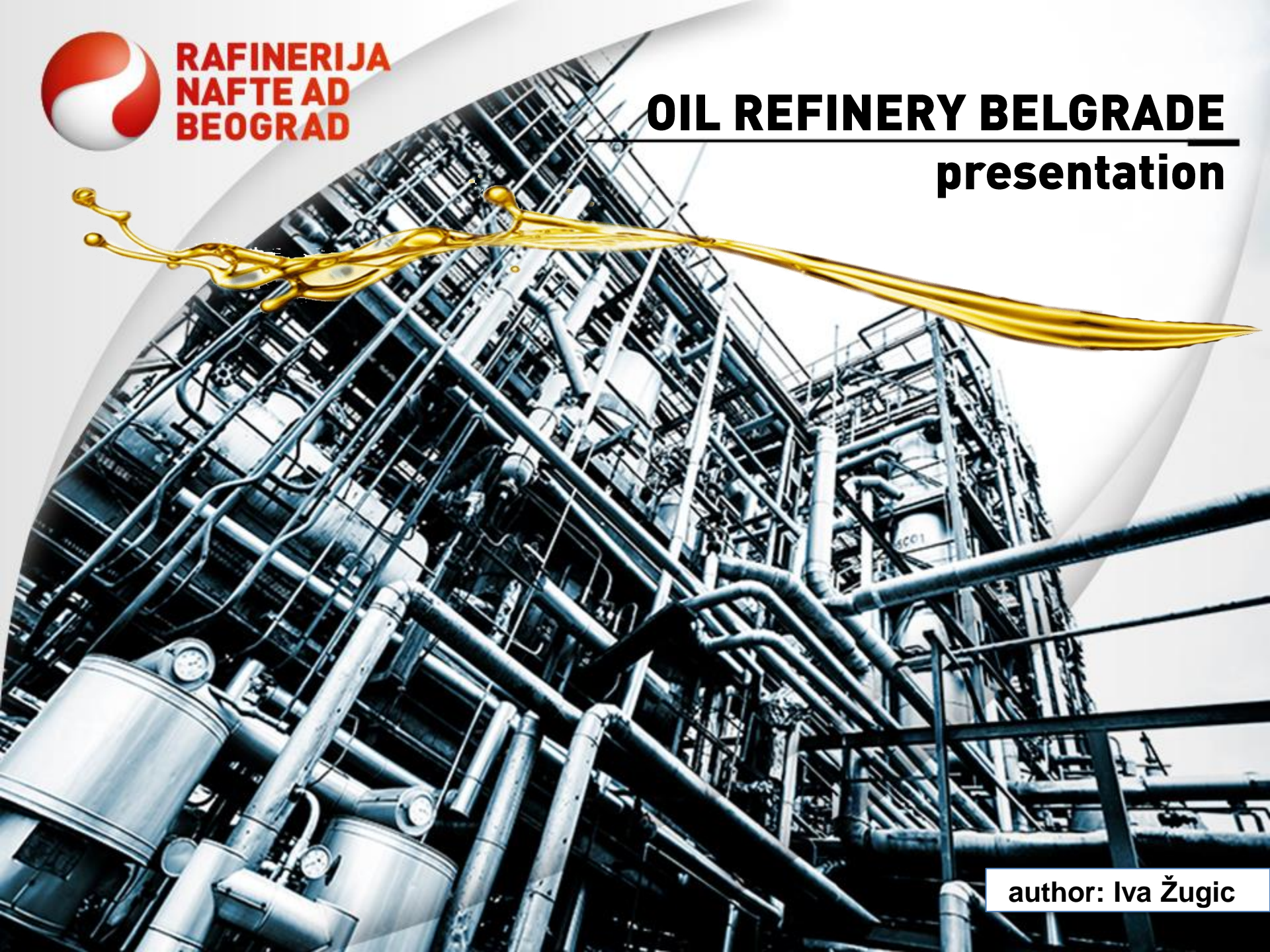




**RAFINERIJA
NAFTE AD
BEOGRAD**

OIL REFINERY BELGRADE

presentation



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- **ACTIVITY**
- **LOCATION & PROPERTY**
- **CAPACITIES**
- **AUXILIARY FACILITIES**
- **MARKET POSITION**
- **ADVANTAGES**



THE OLDEST PRODUCER OF LUBRICANTS IN SERBIA WITH THE LARGEST CAPACITIES

- Refinery Belgrade has sufficient infrastructure to support Logistics of Business.
- The overview of Logistics infrastructure is as follows:

BULK

- Additives, Intermediate and Final Products **24 tanks - 2.000 m³**
- Raw materials **15 tanks - 9.800 m³**
- Waste oils **2 tanks – 2.000 m³**

WAREHOUSE

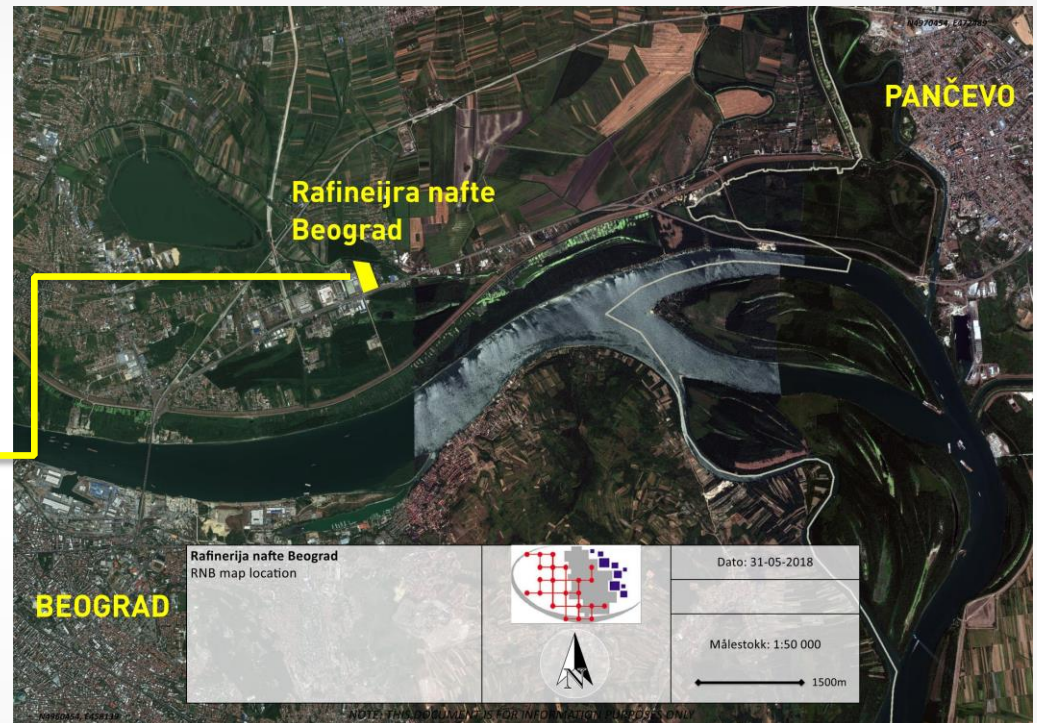
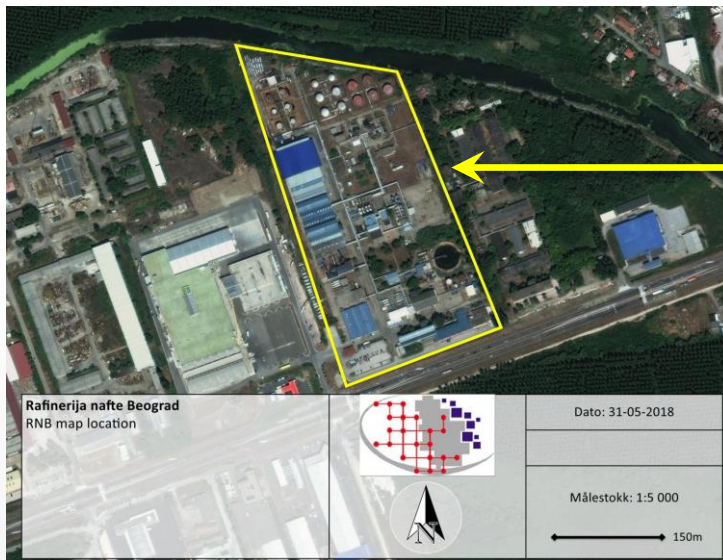
- Covered: app. **3.168** pallet places
- Open: app. **1.800 m²**



LOCATION & PROPERTY

EXCELENT POSITION (INDUSTRIAL ZONE BETWEEN BELGRADE & PANCEVO, 1 KM FROM THE RIVER DANUBE)

- operates as an industrial complex that covers about 11.5 hectares
- there are administrative buildings, laboratory, warehouses – total area of constructed objects is around 13,500 m²
- located on the main road Belgrade – Pancevo. 10 km from downtown Belgrade
- proximity to ports on the Danube (both Belgrade & Pancevo), developed road and rail structure allows easy distribution of goods from refinery



THE LARGEST PRODUCTION CAPACITIES AMONG LUBRICANT PRODUCERS

The installed annual capacity (two shifts production) can be overviewed as follows :

- Blending : **30.300 Tn/yr**
- Filling Bulk : **min 30.000 Tn/yr**
- Filling Barrels : **min 20.000 Tn/yr**
- Filling Canisters : **min 25.000 Tn/yr**



AUXILIARY FACILITIES

- Power plant - three boilers 23,5 MW installed capacity
- Compressor station for technical air production 75 Nm³/min
- Chemical treatment of water (demi, cooling) - 50 m³ / h
- Industrial waste water treatment – 11.2 m³ / h
- Cooling water circulatory system - 240 m³ / h
- Transformer stations
 - a. 2 x 1250 kVA 10/0.4kV
 - b. 2 x 1000 kVA 10/0.4Kv



MARKET POSITION

**LEADER IN THE PRODUCTION OF ENGINE AND INDUSTRIAL OILS,
GREASES AND SPECIAL LUBRICANTS, METALWORKING FLUIDS,
ANTI-CORROSION AGENTS, COOLANT FLUIDS, DEGREASERS AND CLEANERS**

Two well known Trademarks of RNB :

- GALAX: Lubricants, Mineral and Synthetic Oils for Various Applications,
- KORSANTIN: Anti-freezes and Liquids for the Automotive Industry



The products are categorized as follows:

- Divided by purpose, there are twenty-one (21) Product Families.
- The total number of products in all families is greater than 200 and, given the fact that most of them are delivered in more than one type of packaging (Bulk, IBC's, metal drums, canisters of 0.25, 0.5, 1, 4, 10 L etc.) the total number of codes that exist in RNB's portfolio is above 600.



1. UNIQUE PLANT FOR THE TREATMENT OF WASTE (USED) OILS

- By definition, management of waste oils is a collection of measures which include collecting, sorting, transportation, storing and treating of waste oils, or disposing of waste, i.e. the remains that are left after treatment. In the hierarchy of waste management, re-refining of waste oils – the treatment that has as result new base oils, has advantage over other forms of recycling
- Unit for regeneration of used mineral oils has the capacity to process about 20.000 tons of waste oils per year, which is more than a half of the quantity of various oils and lubricants that are spent in the country.



2. REGENERATION OF OILED METAL DRUMS IN AN ECOLOGICALLY ACCEPTABLE WAY
3. OWN PLANT FOR THE PRODUCTION OF PLASTIC PACKAGING
4. PERMANENT TECHNOLOGICAL IMPROVEMENTS OF THE SERVICES AND PRODUCTION PROGRAM



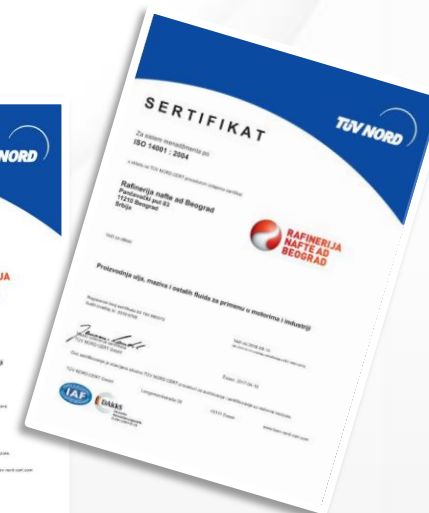
ADVANTAGES

5. DIVERSE PRODUCT RANGE, WITH MORE THAN 250 DIFFERENT PRODUCTS IN MORE THAN 600 PACKAGE FORMS

6. TOP QUALITY STANDARDS

7. APPROVALS FROM MAIN WORLDS PRODUCERS OF ENGINES AND MOTOR VEHICLES

**8. STANDARDS
ISO 9001:2015 AND
ISO 14001:2015
FOR ENVIRONMENT
PROTECTION**



9. ACCREDITED LABORATORY WITH THE BIGGEST NUMBER OF ACCREDITED METHODS

- The laboratory, as a separate organizational unit of Antikor, Naftagas and Rafinerija nafte Beograd, was formed more than 50 years ago.
- Nowadays, this is a modern accredited laboratory, which performs more than 200 different chemical, physical and mechanical tests. The strength of the laboratory lies in its modern equipment, quality and professional training of its staff, who offer quick and, primarily, reliable tests .
- The development of the quality system has secured the modern functioning of the laboratory and its operation in keeping with the standards SRPS ISO 9001:2015 and SRPS ISO IEC 17025:2006.



ADVANTAGES

- It performs 65 different accredited standard test methods in the fields of analysis of lubricants, industrial oils and similar products, antifreezes, brake fluids, monitoring of oils in exploitation and analysis of waste oils. More than 20,000 tests are performed there, using around 200 different national and international standards (SRPS, ISO, IEC, EN, DIN, ASTM, IP, CEC...)
- The laboratory provides the following services:
- Control of quality of products supplied by RNB
- Control and analysis of raw materials that enter the Refinery
- Control of quality of semi- and final products, throughout the production process
- Water tests (city-supplied, demineralized, boiler, lake and waste water)
- Control of products and their monitoring in exploitation
- Manual sampling of liquid oil derivatives SRPS EN ISO 3170:2008.



ADVANTAGES

10. REFINERY IS IN THE PROCESS OF INSTALING AND ACCREDITING A LABORATORY FOR FUELS

11. IT IS OFFICIALY THE COMPANY OF STRATEGIC INTEREST OF THE REPUBLIC OF SERBIA

12. SOCIALLY RESPONSIBLE COMPANY

13. SPONSOR OF SPORT ACTIVITIES AND RALLY TEAM „GALAX“

Champion of Serbia in 2017 on circuit races

14. NUMEROUS AWARDS FOR QUALITY OF LUBRICANTS

In the last 2 years RNB created 24 new products, mainly synthetic and semisynthetic lubricants and received Winners' Cup, 10 Great Gold Medals and 6 Gold Medals for exceptional quality of engine and hydraulic oils





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