



# Research and Design Institute of Nitrogen Industry and Products of Organic Synthesis (OJSC GIAP)



# GIAP: Facts and Figures



**3** Engineering Companies:  
GIAP, NIAP and Alvigo.

**2** Branch offices in  
Dzerzhinsk and Togliatti

**500+** Specialists in nitrogen industry  
and related areas

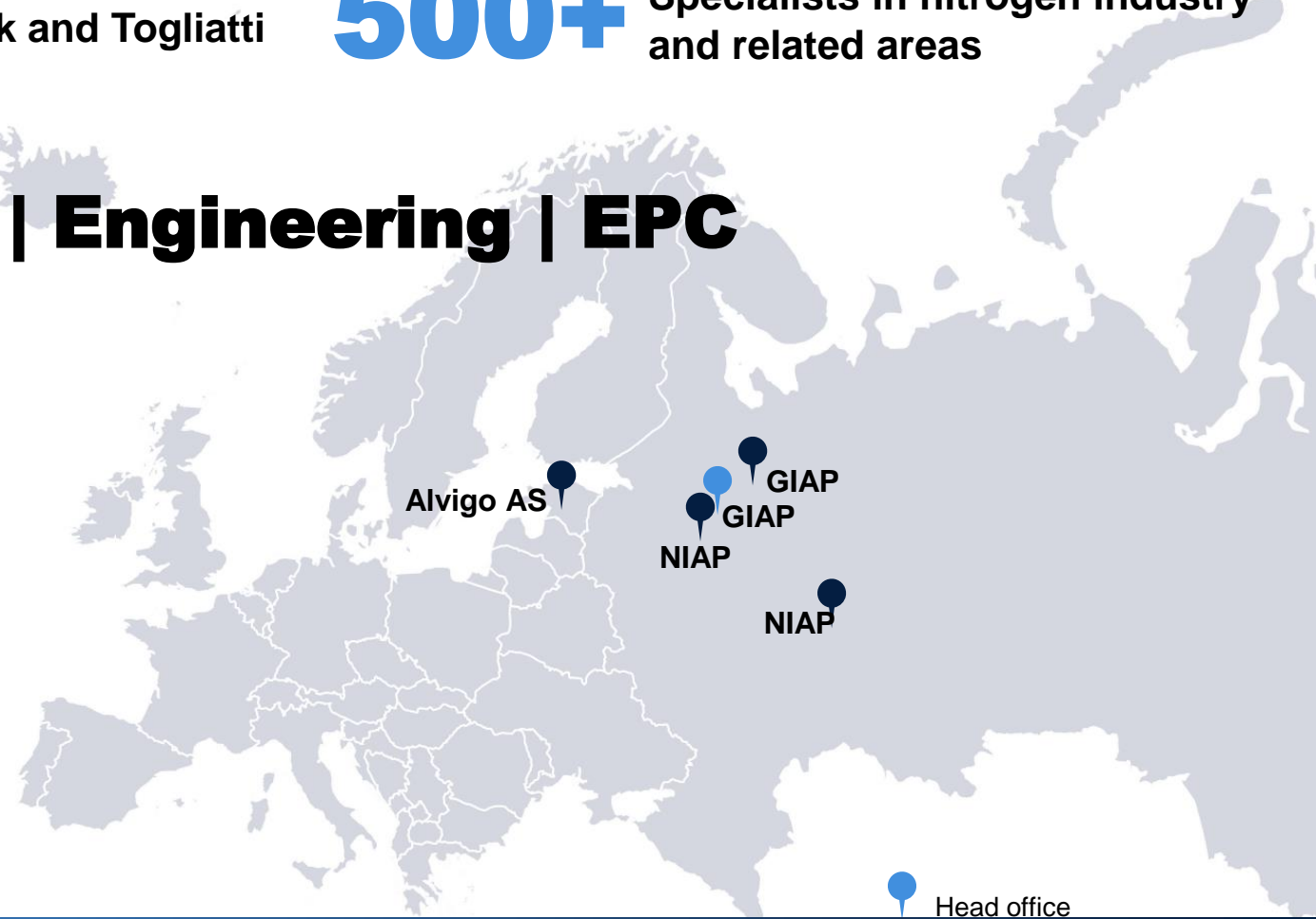
## Technologies | Licensing | Engineering | EPC

### Since 1931

designing plants for fertilizer industry and gas monetization

### 500+

successful projects within 20 recent years  
in Russia, CIS, China, Eastern Europe and Middle East



Every **10th** Ammonia Plant in the world works based on **GIAP TECHNOLOGY**

# Our history



Foundation of State Nitrogen Institute (GIA)

Foundation of Lisichanskiy branch of GIAP

Foundation of Novomoskovskiy branch of GIAP



Foundation of Alvigo Group



Foundation of Novomoskovsk Institute of Nitrogen industry LLC (NIAP)



Foundation of Research and Design Institute Khimtekhnologiya LLC

GIAP implements management system ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007

Starting the new office in Dzerzhinsk

1931 | 1943 | 1949 | 1958 | 1976 | 1991 | 1992 | 1994 | 2008 | 2010 | 2013 | 2018 | 2020 | 2023

Reorganization to State Research, Development and Design Institute of Nitrogen and Organic Chemical (GIAP)



GIAP rewarded with Order of the Red Banner of Labour



Foundation of JSC GIAP



NIAP successfully passed the certification of quality management system for ISO 9001-2008



Launch of EPC division

Focus on import substitution with respect to technologies, enhancement of cooperation with Asian countries and Latin America



## MISSION

Creation of the best technologies, successful implementation of projects, and also development and recruitment the most competent, talented and sought-after specialists in chemical industry.



## CORPORATE VALUES

Corporate values are an essential part of our corporate culture, serving as guidelines for employee's behavior both internally and externally.

Our values are:

Result,  
Initiative and Responsibility,  
Business integrity.



## VISION

To become leading Russian and world wide partner for digital engineering with EPC competence.

# Our services



## Licensing

- Ammonia
- Ammonium nitrate
- Nitric acid
- Methanol
- Acetylene
- Acetic acid
- Urea

## Design

- Basic Engineering
- Design Documentation
- Detail Design Documentation

## Consulting

- Technical Support during State Expert Review (GlavGosExpertiza)
- Preparing Technical Appendixes to Contract with Licensor
- Technical Support in Bidding for Selection of Licensers
- Consulting Services for Project Management

## EPC

- Engineering knowledge and experience of 3 design institutes comprising GIAP Group
- Full responsibility and common strategy of management at every Project stage
- Efficient procurement and validation of vendors
- Project cost management from “Technical assignment” up to “Commissioning”
- Experience in state & local expertise of any level

## Equipment

- Development of Process Equipment
- Production of Process Equipment
- Process Equipment Cleaning
- Passivation, Unloading, Loading and Activation of Catalyst in Ammonia and Methanol Production

## Engineering

- Pre-design services
- Basic Design Adaptation
- Development Operational Documentation
- Construction Monitoring

## Safety

- Industrial Safety Expert Review

# Licensing



GIAP solutions constitute ground for the one of the largest nitrogen industry. At present we are ready to propose to our Customers the innovative, effective solutions for revamping and upgrading Projects realization regarding operating production plants and construction of new ones.

**400** units designed for organic and inorganic chemical industries



# Engineering



GIAP performs complex designing of both separate units and entire plants. We possess all permissions and licenses for the design of chemical and petrochemical plants of any complexity. The services offered by GIAP cover all project milestones, starting from the earliest stages to plant start-up and bringing it to the design conditions.

**700 000+**

Annual engineering manhours



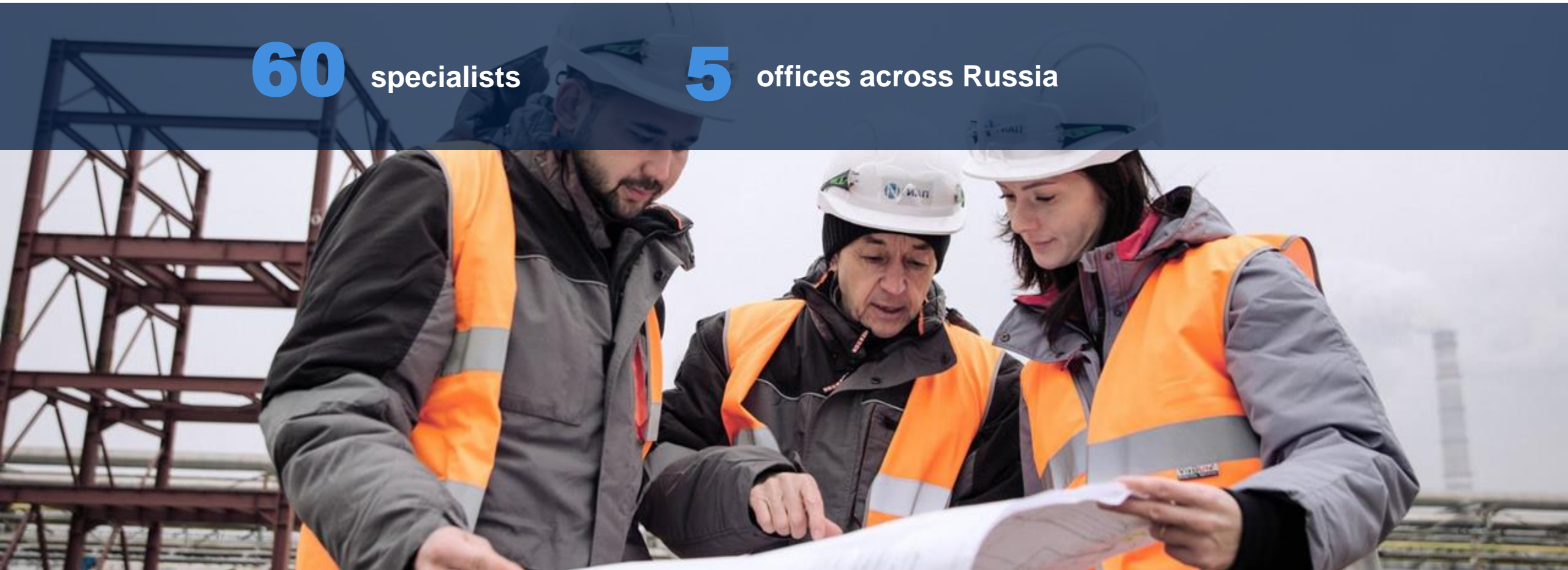
# EPC. Integrated Approach to Project Implementation



GIAP is willing to perform comprehensive works for highly complicated Projects, starting from technology selection till bringing to the design capacities. This objective implies the single pass-through responsibility, concerted strategy, considering all Project peculiarities and ensuring optimal complete process engineering solution. Package approach of GIAP provides the effective implementation of large-scale Project.

**60** specialists

**5** offices across Russia





# Our clients





# Thank you!

OJSC GIAP  
Zemlyanoy Val st.,  
50A/8, bld.4  
109028 Moscow  
Russia

T.: +7 (495) 916-65-05  
F.: +7 (495) 916-63-00  
E.: [info@giap.ru](mailto:info@giap.ru)  
[www.giap.ru](http://www.giap.ru)