



# RT-TECHPRIEMKA JSC SERVICES AND SOLUTIONS

# QUALITY CONTROL OF MATERIALS AND INTERMEDIATE GOODS

**80 YEARS OF MATERIAL CONTROL FOR THE NEEDS OF THE MILITARY-INDUSTRIAL COMPLEX AND AVIATION (HISTORICAL DIRECTION OF RT-TECHPRIEMKA)**

**01** We determine their compliance with the requirements of regulatory documents and technological documentation.

**02** We monitor their production processes at the supplier enterprises, inform the enterprises' management of revealed violations in the production technology of materials and intermediate goods, and demand their elimination.

**03** We carry out work with claims and complaints. We have the right to stop accepting materials and intermediate goods if we receive more than two claims from customer enterprises concerning the delivered products in one of the following cases: recurring defects, failure of the supplier to meet the deadlines for the implementation of corrective measures for eliminating identified inconsistencies in product quality, identified recurring violations in production technology, which may lead to its non-compliance with the requirements of regulatory documents.

## MAIN GOAL

Reducing defective goods and materials

to **0**

Identification of counterfeit products

Improving the quality of materials affecting the quality of the final product

## FIELDS OF APPLICATION

 AVIATION

 SPACE

 DEFENSE

 COMBINED USE

**18.000 tons of products**

have passed conformity assessment based on Q1 2020 results

More than **70.000 tons of materials and intermediate goods**

adopted by us in 2019.

For example, the components that have passed our control this year will be used for the production of fifth generation fighter aircraft, Mi-8/17 and Mi-38T helicopters, and aircraft engines.



## SOME OF OUR CUSTOMERS IN 2020:



Over **40** technical acceptance operations

in over **10** regions

covering more than **200** enterprises in metallurgical and chemical industries



# SUPPLY OF MATERIALS AND INTERMEDIATE GOODS

- Supply of finished products, materials and intermediate goods for military, dual and civil purposes
- Eliminating the possibility of supplying counterfeit and uncertified products
- Reducing the price and delivery time due to the consolidation of volumes and systematization of supplies

**OVER THE LAST SEVERAL YEARS, THE AMOUNT OF CONTRACTS FOR THE SUPPLY OF METALS, ALLOYS, COMPONENTS AND EQUIPMENT AMOUNTED TO 5 BLN RUBLES. BY THE PRELIMINARY RESULTS OF 2019, PLANNED FIGURES WERE EXCEEDED BY APPROXIMATELY 1.5 TIMES**

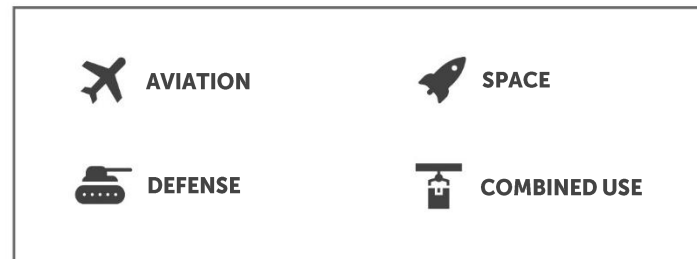
Deliveries this year: steel, stainless steel, aluminum pipes, profiles, titanium and steel fasteners, chemical industry products and much more were supplied for the Armata Universal Combat Platform, manufactured by UralVagonZavod (part of Rostec State Corporation).



## ADVANTAGES

- 01** Meeting delivery deadlines
- 02** Quality control
- 03** Elimination of counterfeit products

## FIELDS OF APPLICATION



## KEY CUSTOMERS



## KEY SUPPLIERS

- PJSC Ashinskiy Metallurgical Plant
- PJSC Izhstal
- JSC KUZOCM
- JSC Metallurgical Plant "Electrostal"
- JSC Arconic SMZ
- JSC VSMPO-AVISMA Corporation
- LLC KraMZ
- JSC KUMZ

# CERTIFICATION

Certification of management systems will help achieving long-term goals, striving for sustainable development and meeting the ever-increasing requirements in the field of quality, ecology, occupational safety and health. Certification audit will allow the company to identify inconsistencies with the requirements of national and international standards, and provide recommendations for their elimination.

**IN DECEMBER 2018, WE PERFORMED THE CERTIFICATION OF JSC CSRI ELEKTROPRIBOR AS A RESULT, THE COMPANY COULD MINIMIZE RISKS AND INCREASE THE LEVEL OF CUSTOMER CONFIDENCE IN ITS PRODUCTS. FOR EXAMPLE, THE LAUNCH OF WASTE WATER TREATMENT SYSTEM ALLOWED TO REDUCE THE CONCENTRATION OF RESIDUAL ORGANIC COMPOUNDS IN THE TREATED WASTE WATER IN THE PRODUCTION ALMOST 15 TIMES.**

## ADVANTAGES

- 01** Impartiality
- 02** Competency
- 03** Responsibility

**List of international and national accreditation and recognition:**

Akkreditierung Austria (IAF MLA, IQNet), SDS Rostec, Federal Accreditation Service of Russia

## FIELDS OF APPLICATION



## KEY CUSTOMERS



Over **4 000** hours of audits

Over **100** audited companies

**25+** cities and regions with organized audits

Over **80** customers

Over **5** years on the market

# TRAINING

Comprehensive quality management training for business leaders, quality managers, QA service workers and auditors.

**INCREASING COMPANY EMPLOYEE COMPETENCY IN QUALITY MANAGEMENT ISSUES, AVAILABLE ANALYSIS OF THE REQUIREMENTS OF QMS STANDARDS AND LEAN PRODUCTION.**

## TRAINING FORMATS

- COURSES
- SEMINARS
- WEBINARS
- CORPORATE TRAINING

## FIELDS OF APPLICATION

 AVIATION	 SPACE
 DEFENSE	 RADIO-ELECTRONICS

## ADVANTAGES

- |  |   |  |
|--|---|--|
| <b>01</b> Highly qualified teachers    | <b>02</b> Availability of a license to carry out work related to the use of information constituting a state secret | <b>03</b> Issuance of a certificates of advanced training                          |
| <b>04</b> Competitive cost of services | <b>05</b> Development of training programs with leading practicing teachers   | <b>06</b> Possibility of purchasing from a single service provider: RT-Techpriemka |

## KEY CUSTOMERS



TRAINING CENTER COOPERATES WITH LEADING EDUCATIONAL INSTITUTIONS: MAI, MOSCOW POLYTECHNICAL UNIVERSITY, PASTUKHOV STATE ACADEMY OF INDUSTRIAL MANAGEMENT

# SUPPLIER QUALITY ASSURANCE (SQA)

BUILDING EFFECTIVE INTERACTION WITH PARTNERS AND SUPPLIERS

## MAIN GOAL

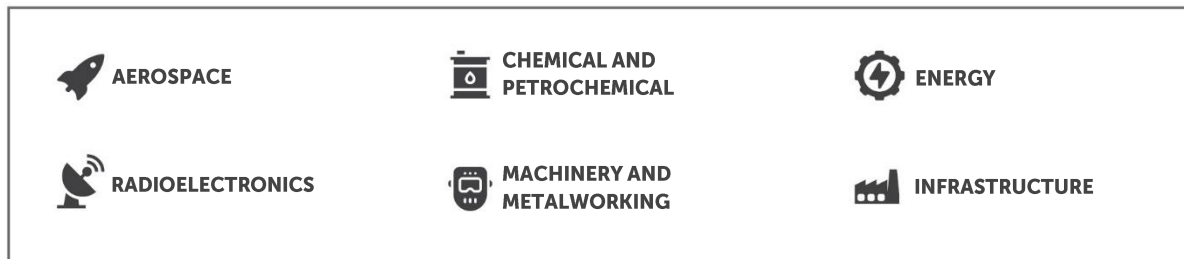
### Reducing risks associated with:

- failure of partners and suppliers to meet deadlines
- supply of low-quality components
- non-compliance of components with requirements

## RESULT

- Obtaining a high-quality result in the required time frame
- Reducing financial and reputational losses
- Optimizing costs

## FIELDS OF APPLICATION



## ADVANTAGES

01 Improved efficiency

02 Reliable base of contacts

03 Over 20 years of experience in working with suppliers

04 Quality assurance

05 Reducing costs

06 Confidence in a successful result

Over **80%** share of components purchased from suppliers

by **two** time reduced for maintenance work

**100%** complete overview of the production status of a supplier or partner

**100%** synchronization of the warranty periods of the final product and components

## SUPPLY QUALITY PLANNING

- defining requirements to the supplier
- choosing a new supplier
- initial assessment of the supplier's compliance with the requirements; implementation of a standard quality supplement to contracts

## SUPPLY QUALITY ASSURANCE

- monitoring the fulfillment of contractual requirements
- periodic assessment of the supplier's compliance with the requirements
- support of key stages: launch of mass production, certification of special processes, etc.
- independent inspection
- non-conformity management
- rating of suppliers

## DEVELOPMENT OF PARTNERS AND SUPPLIERS

- measures to improve "problematic" suppliers
- training of supplier employees

# DIGITALIZATION AND AUTOMATION

OF PRODUCTION PROCESSES IN THE DIRECTION OF QUALITY ASSURANCE  
USING DIGITAL PRODUCTS

- 01** We conduct online monitoring using AI
- 02** We increase production efficiency and product competitiveness
- 03** We reduce required bureaucracy
- 04** We resolve disagreements between participants in production chains

**THIS LEADS TO MINIMIZED "HUMAN FACTOR" AND ERRORS,  
INCREASED CUSTOMER SATISFACTION, REDUCED COSTS  
OF DEFECTS**

