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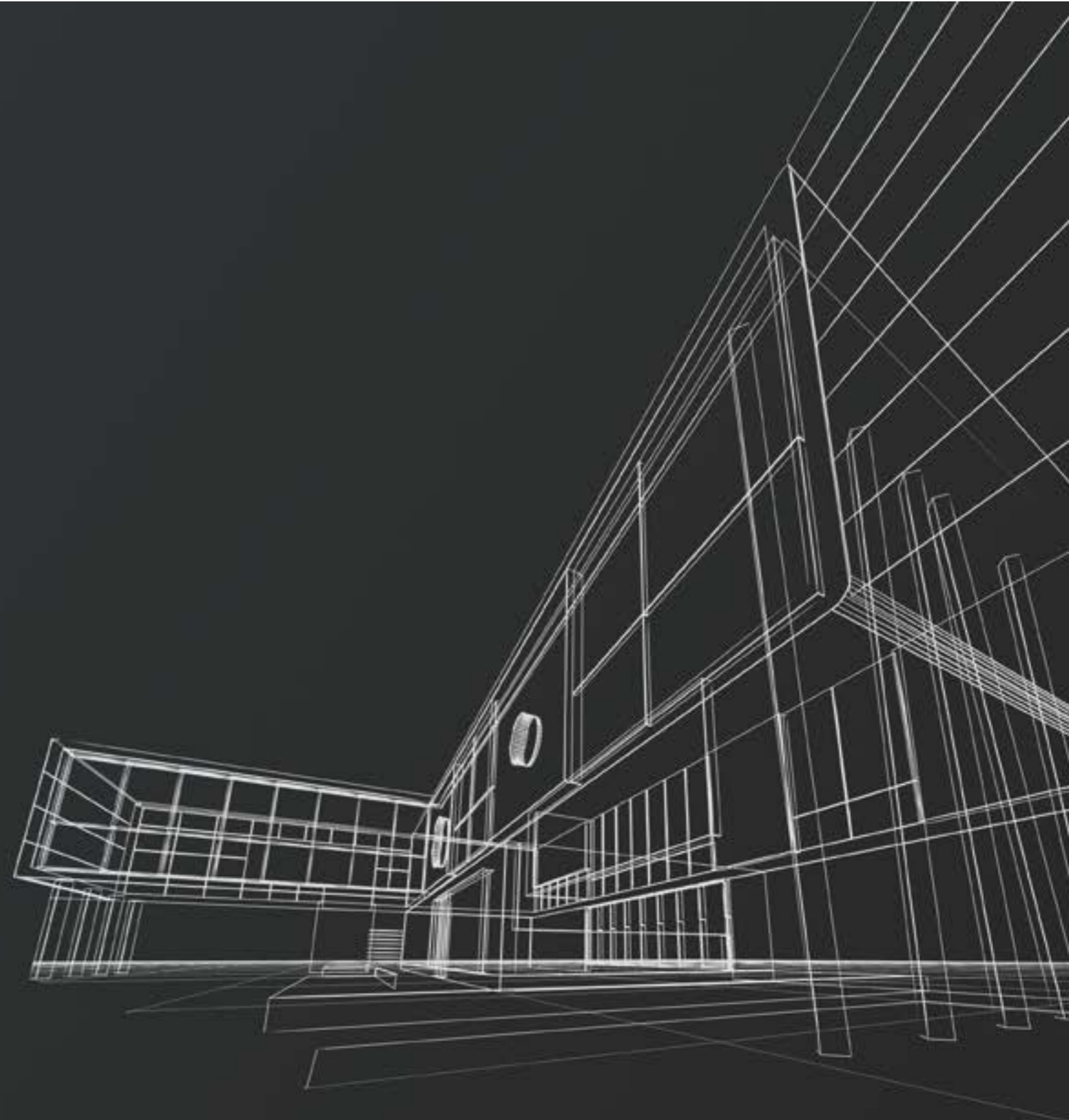
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B U I L D I N G S Y S T E M S

R U S S I A • S U O M I

Quattroservices International Operations has its main focus on installation of ready-to-operate indoor MEP systems at the construction sites where the quality and reliability of the engineering facilities of the building are of special Customer`s importance.



OUR MISSION

QUATTROSERVICES is an international Finnish-based company specializing in high complexity indoor MEP systems installation at high-class industrial and commercial facilities. Continuous development, staff training and good experience in MEP systems installation at various sites located in Russia, Finland, Baltic and the CIS allow us to offer the best solutions to the set-up goals.

Our principle advantage and value are based on our ability to optimize a project thus leading to reduction of capital, as well as future operational costs, while retaining the quality required – this is what we call Value Engineering. Taken together, all this allows our customers to increase their capitalization and to give way to new efficient production.

Östen Björkman
International Operations Director

QUATTROSERVICES IN FIGURES

HISTORY

The company was set up in April, 2001 in Finland and has been operating in Finland and Russia since 2001.

TARGETS

The objective of Quattroservices International Operations in Russia is to be present and to provide our Clients with comprehensive service, allowing them to concentrate on their core business. We truly believe that being a construction partner from the early project design stage is one of the key success factors to the Client. This allow us to take advantage of our strong knowledge of western engineering practices combined with Russian craftsmanship under our experienced management.

PERSONNEL

Approximate number of engineering and managerial personnel currently employed in Russia is 85; the number of installation specialists involved in the construction at sites varies from 250 to 400 people.

Quattroservices carries out about 5-8 simultaneous projects in Russia annually. The company disposes of all the sources required.

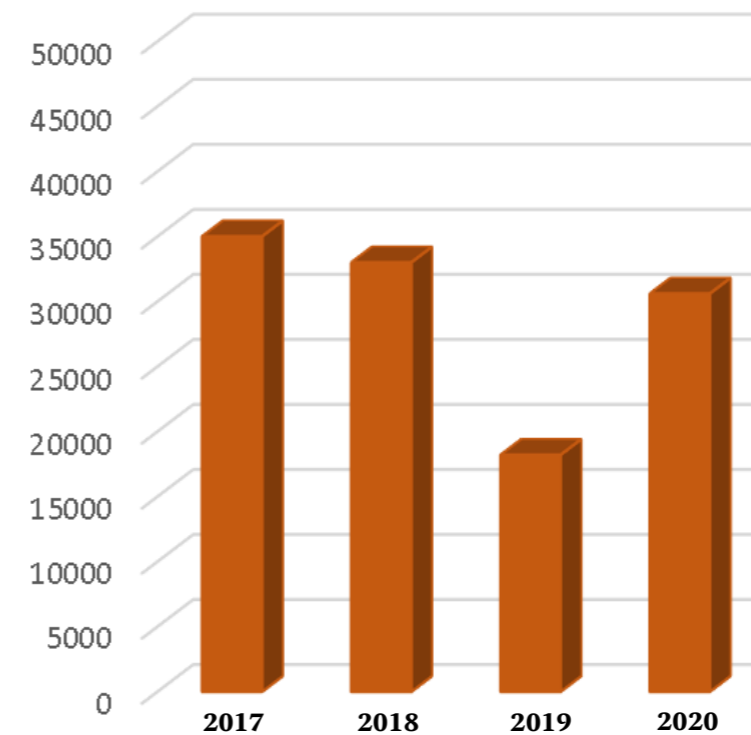
QUALITY AND RELIABILITY

The Finnish Expert Commission in the field of quality of construction work, based on the results of inspection, activities and references of our company, has established the professional status of an organization in the field of installation work on mechanical, electrical and telecommunication systems in commercial and office buildings, buildings for other purposes, as well as in the field of production for the complex engineering and technical work.

FINANCIAL INDICATORS

Our financial stability is proved by the audit results by DUN&BRADSTREET (Bisnode) independent company.

Annual turnover





WE SPECIALIZE IN

OUR PERSONNEL

VENTILATION SYSTEMS

- general ventilation
- air conditioning
- air dehumidification
- air dedusting systems
- industrial ventilation

ELECTRIC AND LOW CURRENT SYSTEMS

- power supply systems (0.4 and 10 kV)
- transformer substations
- electric lighting system
- power distribution networks
- lightning discharge protection and earthing system
- building management systems (BMS systems)
- structured wiring systems
- voice alarm control and indicating equipment
- access control and security alarm systems
- industrial process control and communication systems
- CCTV system

PIPELINE SYSTEMS

- heating system and heat supplies
- water supply and sewage systems
- cold supply system
- pressure air piping
- steam supplies
- vacuum line
- process pipelines

FIRE FIGHTING SYSTEMS

- water sprinkler system
- fire mains
- fire alarm system
- flame safety automation
- smoke exhaust and air pressurization systems
- spark suppression
- gas, powder and foam firefighting systems

Our employees are the key factor of our successful development. The competency of our personnel from top managers to operating staff is the reason why most of our Customers principally choose our company.

Our engineers and technicians dispose of unique experience in MEP systems installation at the objects of various complexity and function, both in Finland and Russia. Currently 85 engineers and managers and about 400 installation specialists are employed by our company in Russia. We provide our employees with proper working environment in compliance with all standards applicable to a Finnish company, and we aim at making their job comfortable and fulfilling. Our incentive programme encourages our employees for their professional growth

and personal development. We approve our employees' participation in workshops and conferences that we conduct. Most of our people have stayed with us for 5 to 15 years. Thanks to it, we are a well-established and solid team and we know how to work to achieve our common goals.

Occupational safety and health protection at the construction site are our main priority. All staff at the sites have all working permits and licences, are properly certified and have gone through health and safety training. All employees use safety robes and footwear at construction sites, thus contributing to the highest industrial standards. Each construction site is equipped with a fully operational office that allows for high quality decision-making process.

OUR CUSTOMERS

GENERAL MOTORS

NEMAK

VALIO

PEPSICO

ASTRAZENECA

NOVO NORDISK

VTB

COCA-COLA

KIMBERLY CLARK

STOCKMANN

MARS

MIRATORG

LANTMANNEN UNIBAKE

OUR PARTNERS

Atlas Copco	FlaktWoods
GEA	Esmi
DencoHappel	Siemens
SystemAir	Schneider
Koja	Electric
Clivet	Norelco
Halton	ABB
Alfa Laval	Legrand
Carrier	Moeller
York	Ensto
Johnson Control	Wavin
Bitzer	Geberit
Daikin	Uponor
Lindab	Oras
TroxTechnik	Purmo
Stellberg	Tyco
SpiraxSarco	CIAT
Ari Armaturen	Rockwell
Armacell	Automation
K-Flex	OBO
Rockwool	Bettermann
Paroc	Bosch
Wilo	Meka
Grundfos	Trane
	Remak



PRODUCTION LINES INSTALLATIONS

MIRATORG BELGOROD

Meat processing plant

MPS Slaughter line installation, Banss equipment (carcass carry)



MARS KORKUNOV

Confectionary plant

TL5 line installation (candies),
CM-OPM, FEA equipment (line);
Bosch, Langen, Cama, Langhammer
(packing)



IKEA INDUSTRY

Timber processing plant

Double-side combined wood boards
sizing, edge-banding and finishing
lines installation (StipLine).



KIMBERLY CLARK

Sanitary tissue products

SR lines installation (diaper
production), suppliers: Fameccanica
(line), Optima (packing), Flex Link
(conveyor lines)



ASTRA ZENECA

Pharmaceutical production plant





Installation of pharmaceutical pill
production equipment, GLATT, Fette,
Hosokawa equipment



PROJECTS

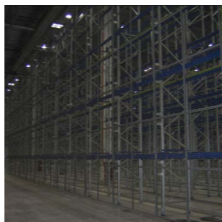



2020

Customer	Size	Location
AgroEco	40 000 m ²	Voronejskaya region
Design, supply and installation of industrial ventilation. Completed work: Installation of industrial ventilation.		
Installation personnel: 50		







2019

Customer	Size	Location
British American Tobacco	18 000 m ²	Saint Petersburg
General contracting, supply of equipment and materials (general construction and finishing works, engineering systems and external networks, landscaping).		
Installation personnel: 150		



2019





Customer	Size	Location
MIRATORG	100 000 + m ²	Kursk
Factory for the production of meat products. Detailed design and installation of internal, mechanical and technological communications and technological labor pipelines.		
Installation personnel: 700 +		



PROJECTS





2018

Customer	Size	Location
Novo Nordisk	2 500 m ²	Kaluga
Expansion of the factory. Installation of building electrical and mechanical systems.		
Installation personnel: 30		




2017

Customer	Size	Location
R-Farm	8 000 m ²	Rostov region
Expansion of the plant. Installation of construction electrical, mechanical systems and technological equipment.		
Installation personnel: 30		



2017

Customer	Size	Location
IKEA	170 000 m ²	Kazan
Reconstruction of the public catering zone MEGA Kazan. Installation of energy metering systems, dispatching of elevators, escalators, travelators, doors, grease traps, sewage pumping stations, building engineering systems.		
Installation personnel: 30		




PROJECTS

2017

Customer	Size	Location
Nevinnomyssk-Remstroy servis	6 500 m ²	Nevinnomyssk

Reconstruction of heating and ventilation systems within the framework of technical re-equipment of workshop No. 18 for NPK production with the achievement of the design capacity of 600 thousand tons per year.

Installation personnel: 30




2017

Customer	Size	Location
Nevinnomyssk-Remstroy servis	14 500 m ²	Nevinnomyssk

Installation of heating and ventilation systems in the finished product warehouse under construction as part of the technical re-equipment of workshop No. 18 for the production of NPK with the achievement of the design capacity of 600 thousand tons per year.

Installation personnel: 20




2017

Customer	Size	Location
Henkel	8 000 M ²	Noginsky district

Expansion of production.
General contracting, supply of equipment and materials (general construction and finishing works, engineering systems and external networks, landscaping).

Installation personnel: 250




PROJECTS

2017

Customer	Size	Location
IKEA	85 000 M ²	Esipovo

Design-Supply-Installation of MEP systems.
Completed work:
Mechanical systems (ventilation, heating, air conditioning, etc.)
Electrical systems (10kV substation, transformers, etc.)
Firefighters (fire alarm, notification).

Installation personnel: 250




2017

Customer	Size	Location
PepsiCo	14 000 M ²	Timashevsk

General contracting, supply of equipment and materials (general construction and finishing works, engineering systems and external networks). And also installation:
High-voltage substation 10kV, industrial sewage treatment plant, gas extinguishing, etc.

Installation personnel: 400




2017

Customer	Size	Location
Danone	4 000 M ²	Yalutorosk

Supply of equipment and materials, mechanical, electrical and low-current engineering systems.

Installation personnel: 100




PROJECTS

2017

Customer	Size	Location
Nokian TYRES	5 000 m²	Saint Petersburg

Supply of equipment and materials, mechanical, electrical and low-current engineering systems.
Enterprise reconstruction works: Modernization of mechanical and ventilation systems.

Installation personnel: 20




2017

Customer	Size	Location
Danone	4 000 m²	Yalutorosk

Supply of equipment and materials, mechanical, electrical and low-current engineering systems.

Installation personnel: 100




2017

Customer	Size	Location
RusAgro	2 050 m²	Tambov

A set of works on the installation of emergency and general ventilation systems, aspiration systems, heating and heat supply, automation and power supply and technological lines in a reinforced concrete silo with a capacity of 60 tons under construction.

Installation personnel: 100



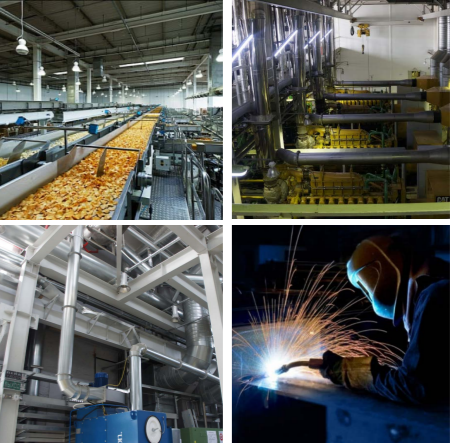
PROJECTS

2016

Customer	Size	Location
PepsiCo	3 000 m²	Novosibirsk

Construction of a milk receiving point.

Installation personnel: 30




2016

Customer	Size	Location
AVON	5 000 m²	Moscow Region

Modernization and reconstruction. Detailed design of engineering systems:
General construction works
Mechanical systems
Electrical systems.

Installation personnel: 50




2016

Customer	Size	Location
Halliburton	7 000 m²	New Urengoy

Supply of equipment and materials, mechanical, electrical and low-current engineering systems. Carrying out works on the installation of a fire extinguishing station.




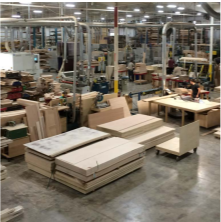
Installation personnel: 100



PROJECTS

2016

Customer	Size	Location
IKEA	220 000 m ²	Novosibirsk
Modernization of emergency power supply and fire safety systems.		
Installation personnel: 250		



2016

Customer	Size	Location
L'Oreal	15 000 m ²	Moscow Region
Design-Supply-Installation of MEP systems (except for firefighters) Completed work: Mechanical systems (ventilation, heating, air conditioning, cooling, etc.) Electrical systems (10kV substation, transformers, etc.).		
Installation personnel: 30		



2016





Customer	Size	Location
IKEA	55 000 m ²	Velikiy Novgorod
Construction of a factory for the production of IKEA furniture. Turnkey mechanical and electrical systems. Installation of technological lines.		
Installation personnel: 180		



PROJECTS





2016

Customer	Size	Location
IKEA	9 000 m ²	Velikiy Novgorod
Expansion of the factory for the production of IKEA furniture. Turnkey mechanical and electrical systems. Installation of aspiration systems and thermal oil.		
Installation personnel: 60		







2016

Customer	Size	Location
ASTRA ZENEKA	12 000 m ²	Obninsk
Expansion, 2nd stage of construction. Creation of a working project, installation of mechanical, electrical systems, technological lines and clean rooms.		
Installation personnel: 60		



2016

Customer	Size	Location
MARS	17 000 m ²	Rostov-on-Don
Construction of a factory for the production of animal feed. Turnkey mechanical systems including detailed design. Installation of technological media - cold supply, water supply, steam supply.		
Installation personnel: 120		



PROJECTS

2016

Customer	Size	Location
Lantmannen Unibake	30 000 m²	Moscow Region
Buildings for a bakery plant reconstruction. Mechanical systems on a ‘turn-key’, including detail designed.		
Installation personnel: 60		



2016

Customer	Size	Location
FM LOGISTIC	12 000 m²	Moscow Region
A class multi-building warehouse construction Mechanical and electrical systems for offices, as well as refrigeration supply system for the warehouse, including detailed design.		
Contract size of more than 0.5 million EURO		
Installation personnel: 30.		



2016

Customer	Size	Location
PEPSICO	3 000 m²	Nizhny Novgorod
Modernization of a milk production factory. Installation of ventilation systems.		
Contract size of more than 0.5 million EURO		
Installation personnel: 25		



PROJECTS

2016

Customer	Size	Location
PRIME METALS	15 000 m²	Belgorod region
Lebedinsky mine and refining plant detailed design, procurement of all supplies for mechanical systems, fire protection systems and automation control, engineering, on-site installation quality control.		
Contract size of more than 2.2 million EURO		







2016

Customer	Size	Location
PRIME METALS	9 000 m²	Belgorod region
Stoilensky mine and refining plant. Procurement of supplies for heating, ventilation and conditioning systems.		
Contract size of more than 0.8 million EURO		



2015




Customer	Size	Location
MIRATORG	45 000 m²	Bryansk
KRS meat production factory. Detailed design and installation of indoor mechanical and technological pipelines.		
Contract size of more than 19 million EURO		
Installation personnel: 200		



PROJECTS





2015

Customer	Size	Location
NOVO NORDISK	15 600 m ²	Kaluga
Pharmaceutical plant. Mechanical and electrical systems on a ‘turn-key’ basis. Installation of technological lines, clean environments.		
Contract size of more than 15 million EURO Installation personnel: 150		







2015

Customer	Size	Location
3M	8 500 m ²	Elabuga
Production of industrial goods. Mechanical systems on a ‘turn-key’, including detail designed.		
Contract size of more than 2 million EURO Installation personnel: 50.		



2015





Customer	Size	Location
MARS	3 000 m ²	Ulyanovsk
Domestic animal feed plant enlargement. Mechanical and electrical systems on a ‘turn-key’ basis.		
Contract size of more than 1.5 million EURO Installation personnel: 60		



PROJECTS


2015

Customer	Size	Location
NEMAK	15 000 m ²	Ulyanovsk
Autoparts production plant. Mechanical and electrical systems on a ‘turn-key’ basis.		
Contract size of more than 4.5 million EURO Installation personnel: 100		



2015

Customer	Size	Location
Nokian TYRES	3 000 m ²	Vsevolozhsk
Car tires production plant enlargement for NOKIAN TIRES. Mechanical and electrical systems on a ‘turn-key’ basis.		
Contract size of more than 1 million EURO Installation personnel: 40.		



2015





Customer	Size	Location
MARS KORKUNOV	5 000 m ²	Odintsovo
Reconstruction of the Mars Korkunov plant reconstruction . Mechanical and electrical systems on a ‘turn-key’ basis. Supply and installation of technological lines.		
Contract size of more than 1 million EURO Installation personnel: 60.		



PROJECTS





2015

Customer	Size	Location
SRV	60 000 m ²	Saint Petersburg
Ohta Mall Construction. Procurement of all ventilation devices.		
Contract size of more than 1.3 million EURO		







2014

Customer	Size	Location
HANSA-STORY	4 000 m ²	Cherepovets
Aquapark offices echanical and electrical systems for, along with refrigeration supply system for the warehouse, including detailed design.		



2014

Customer	Size	Location
MIRATORG	35 000 M ²	Bryansk
Chicken meat production factory. Detailed design and installation of indoor mechanical and technological pipelines.		
Contract size of more than 12 million EURO Installation personnel: 180.		



PROJECTS

2013

Customer	Size	Location
KIMBERLY CLARK	3 600 m ²	Moscow Region
Personal care products plant. A new production line construction. Mechanical and electrical systems on a ‘turn-key’ basis.		







2012

Customer	Size	Location
KIMBERLY CLARK	4 000 m ²	Moscow Region
Personal care products plant. Production enlargement. Mechanical and electrical systems on a ‘turn-key’ basis.		



2012

Customer	Size	Location
DULA RU	3 200 m ²	Pskov
Furniture plant enlargement. Mechanical and electrical systems on a ‘turn-key’ basis.		



PROJECTS





2012

Customer	Size	Location
British American Tobacco	4 200 m ²	Saint Petersburg
Cigarette factory Production enlargement, product warehouse. Mechanical and electrical systems on a ‘turn-key’ basis.		



2011

Customer	Size	Location
TANN PAPIER	13 200 m ²	Pskov
Cigarette filter paper plant. Mechanical and electrical systems on a ‘turn-key’ basis.		



2010




Customer	Size	Location
KIMBERLY CLARK	32 000 m ²	Moscow Region
New personal care products plant. Mechanical and electrical systems on a ‘turn-key’ basis.		



PROJECTS





2010

Customer	Size	Location
British American Tobacco	4 000 m ²	Saint Petersburg
Cigarette factory Production enlargement. Mechanical and electrical systems on a ‘turn-key’ basis.		



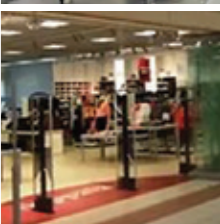
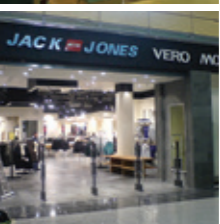


2009

Customer	Size	Location
COCA-COLA	9 000 m ²	Moscow
Logistics center. Mechanical and electrical systems on a ‘turn-key’ basis.		






2006-2009

Customer	Size	Location
STOCKMANN	500-1500 m ²	Russia
Seppala clothing stores 25 stores/Bestseller 23 stores Indoor electrical and mechanical systems detailed design and installation.		
Contract size of more than 0.5 million EURO Installation personnel: 25.		



PROJECTS

2009				
Customer	Size	Location		
STOCKMANN	11 600 m ²	Moscow		
A store in the Metropolis Mall. Mechanical and electrical systems on a ‘turn-key’ basis.				
2008				
Customer	Size	Location		
Valio	14 000 m ²	Moscow Region		
New cheese production plant. Mechanical and electrical systems on a ‘turn-key’ basis.				
2007				
Customer	Size	Location		
STOCKMANN	13 400 m ²	Moscow		
A store in the MEGA Belaya Dacha. Mechanical and electrical systems on a ‘turn-key’ basis.				





PROJECTS

2007				
Customer	Size	Location		
British American Tobacco	9 500 m ²	Saint Petersburg		
Cigarette factory Production enlargement, product warehouse. Mechanical and electrical systems on a ‘turn-key’ basis.				
2007				
Customer	Size	Location		
British American Tobacco	10 500 m ²	Saratov		
Cigarette factory Production enlargement. Mechanical and electrical systems on a ‘turn-key’ basis.				
2005				
Customer	Size	Location		
NOKIA	400 m ²	Moscow		
Test laboratory. Mechanical and electrical systems on a ‘turn-key’ basis.				

PROJECTS





2005

Customer	Size	Location
British American Tobacco Cigarette factory Logistics center. Mechanical and electrical systems on a ‘turn-key’ basis.	24 500 m²	Saint Petersburg







2004

Customer	Size	Location
SEIK Oil rig foundation, project management.		Nakhodka



2004


Customer	Size	Location
STOCKMANN A store in MEGA Sever, MEGA Yug. Mechanical and electrical systems on a ‘turn-key’ basis.	12 300-14 500 m²	Moscow



PROJECTS

2003

Customer	Size	Location
STOCKMANN ZARA clothing store at the MEGA Teply Stan. Mechanical and electrical systems on a ‘turn-key’ basis.	1 400 m²	Moscow







2003

Customer	Size	Location
HUHTAMAKI-LEAF Production and assembly building. Mechanical and electrical systems on a ‘turn-key’ basis.		Moscow



2002

Customer	Size	Location
GM-AVTOVAZ Production facilities and an administrative building. Mechanical and electrical systems on a ‘turn-key’ basis.	47 400 m²	Tolyatti





MAJOR ADVANTAGES



OUR SPHERE OF ACTIVITY

MAJOR ADVANTAGES

- The company was established in 2001, 19-year presence in the market
- Highly qualified Finnish contractor
- European business culture and standards
- Good knowledge of Russian standards and wide project experience throughout Russia
- Engineering solutions optimization
- Top-managers act as partial shareholders; they function at the active stage of the company operation and always stay in touch to attend all possible requests of the customers
- 85 managers and engineers, about 250-400 installing specialists

TENDERING

- Market price level
- Coherent and detailed offer with technical description
- Possibility to estimate and give a fixed-price offer according to the European project standards or the P-project stage
- Bilingual offer (RUS/ENG)
- Engineering economics – optimization of engineering solutions
- No additional works initiated by the contractor guaranteed (in case there are no changes of initial data or conditions)
- Tender documents check, advising of any loopholes and mistakes

Quattroservices International Operations has its main focus on installation of ready-to-operate indoor MEP systems at the construction sites where the quality and reliability of the engineering facilities of the building are of special Customer's importance.

The following areas are principally considered:

- Food production
- Pharmaceutical production
- Microelectronics production
- Chemical production
- Personal hygiene products manufacturing
- Raw materials processing
- Oil and gas refining
- High-technology machinery
- Sports facilities and structures
- Shopping centres (malls)
- Hotel resorts, 4-star and upper class
- Offices, business and upper classes
- Airports
- Hospitals and clinics
- Logistics centres



WHY DO CUSTOMERS CHOOSE QUATTRO SERVICES?



OUR WORKING PRINCIPLES

- A clear explanation of separation of duties at the construction site
- A clear explanation of the estimated scope of works (what is included and what is not)

CONTRACTING

- Different types of contracts (FIDIC, etc)
- Different principles of contract evaluation (fixed price, piecework payment, open book, mixed types)
- Bilingual contracts
- Flexible payment schedules
- Construction risks insurance for the amount of 1 million EUR and more
- Surety bonds
- 24-month warranty for all types of works, equipment and materials.

- Terms of reference for the design completed by the contractor The contractor liaises with process equipment suppliers and collects additional information and approves it with process equipment suppliers
- Design and installation in parallel
- European designers or engineering companies
- All necessary design approvals (state expertise)
- Stage-P and stage-R design
- Knowledge of various equipment and equipment selection programs
- Own engineering and renewable energy solution.

CONSTRUCTION SITE AND PROJECT IMPLEMENTATION METHODS

- 2-week mobilization period
- Own and hired traffic
- Good working conditions at site (site camp, site warehouse, working robes, tools, work execution schedule, hoist platforms)
- Strict health and safety regulations (safety belts, safety goggles, all certificates and permits required)
- All modern tools and equipment required for the project implementation (welding machines, pipe grooving machine, duct making machine, etc.)
- All modern tools and equipment required for testing and start up (air and fluids measurement devices (gauges), harmonic distortion measurement device)
- Works and safety logs at site
- Video conference between the site and the offices (Saint Petersburg, Moscow, Helsinki)
- Internet connection available at site
- Office appliances available at site
- ...

CONSTRUCTION SITE AND PROJECT IMPLEMENTATION METHODS...

- WC, shower, wash basin available at site
- Early site electrics and lighting; design and installation if required
- Proper storage of materials and equipment (warehouse, storage staff)

EQUIPMENT AND MATERIALS

- High quality equipment and materials
- World famous brands of equipment and materials
- Direct factory-to-site supplies of equipment (minimal delivery period)
- Partnership with main suppliers
- 24-month warranty for all works, equipment and materials
- Own logistics and customs clearance managers
- Framework contracts with all main suppliers,
- written confirmation dispatch principle
- We use a range of best suppliers and we always offer more than one solution
- Technical representatives of our main suppliers are half-day available at the plant for training of the end customer’s operational staff
- Possible visits to European manufacturers of the equipment
- Direct supplies of nonstandard materials to Russia, certification of the materials.

PROJECT MANAGEMENT AND COORDINATION

- Organizational chart for every project
- Ability to use highly qualified and skilled expats for the positions of a project manager, a site manager, a project engineer
- English speaking personnel
- Business correspondence flow in Russian or English (memos, letters, reports)
- Well-motivated, polite and friendly staff
- Customer-oriented company
- 60% (at minimum) of all works are carried out by means of our own sources (company’s managers, engineers, supervisors, installing specialists)
- Commissioning of the object together with the end customer is our target

- Ability to execute works upon the customer’s request (areas, systems, schedule)
- Tightly scheduled project implementation
- Ability to use highly qualified and skilled expats for the position of a Construction test and startup engineer
- BMS systems for all processes, own automation and software engineers
- Remote control over the BMS system by our engineer
- Valuable experience in implementation and commissioning of large-scale projects
- Our engineers’ attending their objects after commission according to the agreed schedule
- Ability to work under pressure, being flexible to changes
- We stay in touch with our customers throughout the post-warranty period
- Ability to install MEP systems and technological equipment, no customer’s concern about coordination of works, integrated control over all systems
- Low future maintenance and energy costs



DESIGN AND ENGINEERING

- Designing process in compliance with European standards carried out according to Russian norms
- Applying energy-efficient solutions for the Customers’ benefit
- Designing in MagiCAD or other MEP design software
- Bilingual design if required (RUS/ENG)
- 3D modeling of mechanical design (ventilation, conditioning, etc)
- Composite drawings of MEP systems (all utilities in one layout)
- Engineering economics –engineering solutions optimization
- Design specifications prepared by the contractor. Contractor stays in touch with the suppliers of the equipment, collects the required data and approves it with the customer
- Simultaneous design and installation
- European designers or design companies
- All needed design approvals (state expert appraisal)
- P-project and construction design stages
- Knowledge of different equipment types and equipment selection programmes
- Own engineering and renewable energy sources solutions