

"Mettek" Ltd.

Address: 195220, Gjatskaja ul. 27, St.Petersburg, 195220, Russia

Coordinates: Ph.: (812) 545-4335, 535-2649 Fax: (812) 545-4351

E-mail: mettek@mail.dux.net, manage@mettek.spb.ru

Management: S. Markovskii - General Director,
I. Fedichkin - Deputy General director
A. Helsing - Production Deputy General director,
A Kozlovskii - Chief Designer,
R. Batura - Lead Programmer,
S. Burger - Lead Electronics Engineer

Employees: full-time employees - 52, part-time employees - 20

Previous financing: \$0

Current financing: \$0

Requested investment: : \$1400 000

Use of the requested investment: Development of new areas in instrument making, creation of new measurement complexes, development of absolutely new markets.

Company Description:

The main area of ZAO Mettek activities is development, production and implementation of gas-analyzing equipment (gas-analyzers), which is the basis for process control systems:

- In shops and aggregates in metallurgy,
- In oil-refinery complexes,
- in oil and gas prospecting,
- in chemical and concentration industry,
- in nuclear industry,
- in microelectronic companies for vacuum processes of super-pure Si and Ge production progress of the research and development technologies, mathematical software for computers and control systems. The company produces gas-analyzing equipment using own patents and engineering solutions at its own production sites, with involvement of subcontractors on some stages.

Field and Directions of Activity:

Gas-analyzers and gas-analyzing systems, development and production, vacuum equipment, complex automatization, R&D activities.

Products/Services/Technologies:

Gas-analyzers and gas-analyzing systems, sensors, vacuum equipment, participation in automatization of production (creation of process control system).

Management Team:

All owners of the company are individuals working in the main area of company activities. Key staff (management):

- S. Markovskii - General Director (10 years with the company).
- Fedichkin - Deputy General director (10 years with the company).
- Helsing - Production Deputy General director (8 years with the company).
- A Kozlovskii - Chief Designer (10 years with the company).
- R. Batura - Lead Programmer (4 years with the company).
- S. Burger - Lead Electronics Engineer (5 years with the company).

Markets/Competition:

Metallurgy, petrochemistry, nuclear industry, oil producing and oil-refining industry, oxygen stations and vacuum aggregates, raw processing, geological prospecting, environmental monitoring. Development of the market:

	2001	2005 without investments	2005 with investments
Ferrous and nonferrous metallurgy	40%	60%	65%
Oil and petroleum-refining industry and oil industry	0,5%	4%	7%
Nuclear energetic	1%	5%	10%
R&D, environmental protection	2%	5%	10%

Achievements:

For the period 1991 - 2000 the company accumulated the recourses enough for independent development and mass production of high-technology equipment. Four models of gas-analyzers - EMG - 21, EMG - 22, EMG - 23, EMG - 24 - were developed and commercialized. The gas-analyzers were successfully implemented in converter and blast production of the largest metallurgical centers in Magnitogorsk, Lipetsk, Nizhni Tagil (Russia), Temirtaw (Kazakhstan). The designed and produced highly sensitive device (EMG - 23) was implemented in Oxygen flour of Severstal combine (Cherepovets). Process control system was implemented in converter shop MMK (Magnitogorsk). The system for natural gas control on the Gazprom liquefaction complex was created. The production of the joint vacuum equipment was started. The unique research of radioactive nuclides were carried out (the results of which were presented on the workshop in Tokyo 1998, in San-Hose, 1999).

The equipment for concentration units (Ministry of Nuclear power) was supplied. The tests of gas-analyzers on drilling rig were conducted (Surgut). A portable instrument for control of maximum permissible concentration of emission in industry areas is under development.

The trial tests of apparatus for the complex control of gas phase at technological aggregates of oil refining plant (Kirishy, Leningradskaja oblast) were carried out. On the basis of experts' estimations of pharmacology and medicine markets, the development of the device for the analysis of super- heavy biological molecules was began.

Outlook: Development of checkout facilities market in nuclear industry (separating stations), supply of the analytical equipment to gas-reducing stations and liquefaction of natural gas, control of the gas phase and oil and gas-bearing layers on drilling rigs.

Development, creation and production of absolutely new search complex for shelf zones, activities on automation of shops and aggregates. An implementation of gas-analyzing equipment in pharmacology and medicine.