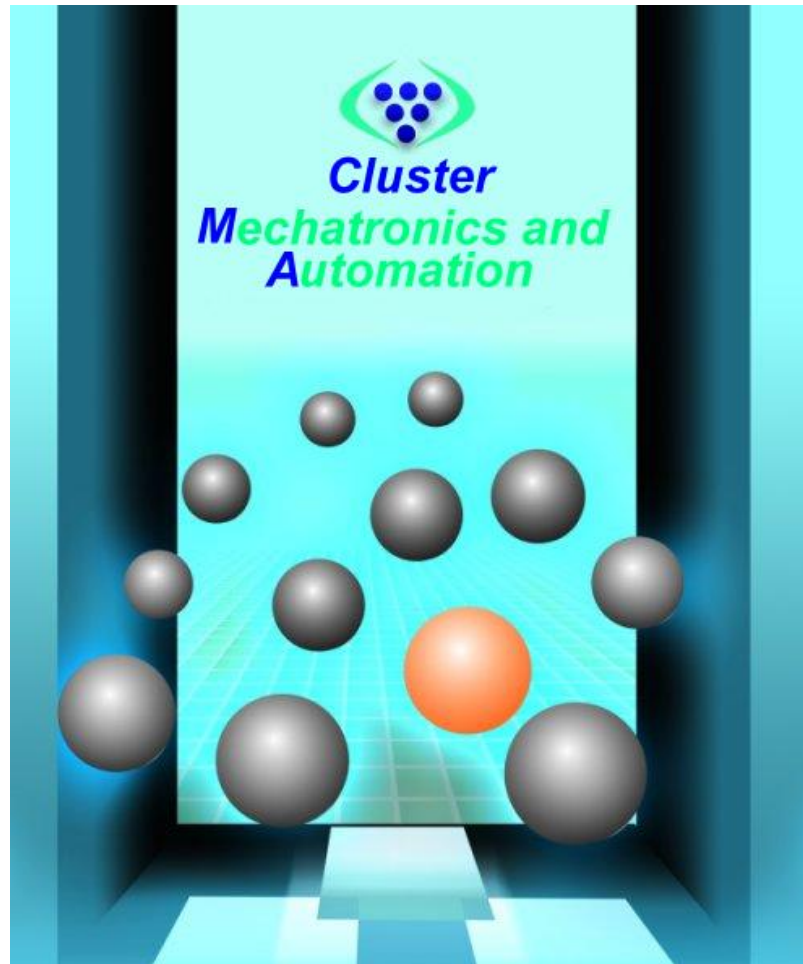


MECHATRONICS AND AUTOMATION CLUSTER - BULGARIA



<http://www.cluster-mechatronics.eu>

GENERAL INFORMATION

The Cluster is one of first Bulgarian Clusters and consists of about 20 companies, research organizations and NGOs in the field of mechatronics and automation

Mechatronics (or Mechanical and Electronics Engineering) is the synergistic combination of mechanical engineering, electronic engineering, control engineering, systems design engineering, hardware and software to create useful products.

GENERAL INFORMATION

The Cluster's functions give good opportunities for future cooperation between basic local industrial units, focusing on increasing regional competitiveness in:

- Automation of industrial processes, including continuous industrial processes;
- Robotization of assembly and transport operations;
- Development and implementation of specialized software, hardware and mechanical systems;
- Production of different kinds of machines and tools;
- Development and implementation of information and telecommunication systems for visualization and control;
- Implementation of high-tech products and services (including by projects funded by EU programs), developed in research organizations.

ABOUT US

- Formally established on December 22, 2006
- On 14.05.2009 the Cluster was re-registered as a legal non-profit organization
- Head office: Sofia; Regional centre: Blagoevgrad
- Members: high-tech companies; scientific bodies in the field of instrument-building, hardware and software; leading Bulgarian NGOs
- Products exported predominantly to European market: Germany, France, Spain, Sweden, Great Britain, as well as to: the United States, China, Singapore, Taiwan, South Korea, India, Brazil and Mexico

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ABOUT US

More than 1000 highly qualified experts in mechatronics and automation, of which:

- 150 working with the scientific bodies, about 800 in the companies and about 60 in the NGOs;
- 30 having academic rank;
- More than 50 PhDs and doctors of science;
- University educated more than 350.

MEMBERS

Production companies:

- Spesima Ltd, Sofia www.spesima.eu
info@spesima.eu
- Vaniko Ltd, Blagoevgrad www.vaniko.com
sasho.vajarov@vaniko.com
- Kristian-Deni Ltd, Blagoevgrad www.kristiandeni.com
office@kristiandeni.com
- Robotika JSC, Velingrad www.robotika-bg.com
robotika@robotika-bg.com
- Intelligent Security Systems Ltd, Vratsa [www.3s-bg.com/en/
dvarganova@abv.bg](http://www.3s-bg.com/en/dvarganova@abv.bg)

MEMBERS

- Semis Ltd, Sofia
www.semis.hit.bg/
semis@mail.bg
- EN Marvel Engineering Ltd, Sofia
eja@bitex.bg
eva.nikolova@bg.tuv.com
- Saturn Engineering Ltd, Sofia
www.saturn-engineering.com
spasov@saturn-engineering.com
- Stratex Ltd, Sofia
www.stratexpower.com
office@StratexPower.com

MEMBERS

- Samel-90 JSC, Samokov
www.samel90.com
a.petkova@samel90.com
- Spesima Engineering Ltd, Sofia
www.spesima-engineering.hit.bg
sp_eng@abv.bg
- Pixeye Ltd, Sofia
www.pixeye.eu
info@pixeye.eu
- SD Partners Ltd
hdradalov@gmail.com
- Systems Automation Technologies – SAT Ltd
(Associate Member)
www.satbg.com
sat@techno-link.com

MEMBERS

Scientific bodies:

- The Institute of Mechanics at the Bulgarian Academy of Sciences
www.info.imbm.bas.bg
e.manoach@info.imbm.bas.bg
- The Central Laboratory of Mechatronics and Instrument-building at the Bulgarian Academy of Sciences
www.bas.bg/
tanio@bas.bg
- The Faculty of Engineering represented by its Department of Instrument-building at the Technical University of Sofia
www.tu-sofia.bg/index.html
vgalabov@tu-sofia.bg

MEMBERS

Non Government Organisations:

- The GIS - Transfer Center Foundation
www.gis-tc.org
kostadinov@gis-tc.org
- The Bulgarian Industrial Association
www.bia-bg.com
branch@bia-bg.com
- The Automatics and Informatics Union
www.sai.infotel.bg/saie.html
sai@infotel.bg
- Applied Research and Communications Fund
www.arcfund.net
angel.milev@online.bg

THE FOUNDERS



<http://www.cluster-mechatronics.eu>

THE FIRST PROJECT



CONTRACTOR SIGN



***PHARE 2005 Programme – Project BG 2005/017-586.04.02
Cluster development Initiatives – Phase II Grant Scheme
Reference Number: BG 2005/ESC/G/CDI-II
“INTEGRATED COMPLEX FOR HIGH-TEMPERATURE
CUTTING OF SHEET METAL”
and
“PLASMA WELDING OF TOOLS AND SPARE PARTS”***

***The project is implemented with financial support of the
European Union and Republic of Bulgaria***



Cluster
Mechatronics and
Automation

INTEGRATED COMPLEX FOR HIGH-TEMPERATURE CUTTING OF SHEET METAL



Gas and Plasma Cutting Machine –
in SPESIMA GmbH, Sofia

<http://www.cluster-mechatronics.eu>



PLASMA WELDING OF TOOLS AND SPARE PARTS



The system for automated plasma welding of tools and spare parts is implemented in Vaniko Ltd, Blagoevgrad

<http://www.cluster-mechatronics.eu>

CLUSTER DEVELOPMENT ACTIVITIES

- Further diversification of the members' activities;
- Enlargement of the cluster – acceptance of new members;
- Establishing contacts with public bodies;
- Creating contacts with foreign partners.

CONTACTS

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