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.

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

http://www.cluster-mechatronics.eu
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

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

http://www.cluster-mechatronics.eu
MEMBERS

Production companies:

- Spesima Ltd, Sofia
  - [Website](www.spesima.eu)
  - [Contact](info@spesima.eu)

- Vaniko Ltd, Blagoevgrad
  - [Website](www.vaniko.com)
  - [Contact](sasho.vajarov@vaniko.com)

- Kristian-Deni Ltd, Blagoevgrad
  - [Website](www.kristiandeni.com)
  - [Contact](office@kristiandeni.com)

- Robotika JSC, Velingrad
  - [Website](www.robotika-bg.com)
  - [Contact](robotika@robotika-bg.com)

- Intelligent Security Systems Ltd, Vratsa
  - [Website](www.3s-bg.com/en/)
  - [Contact](dvarganova@abv.bg)

[http://www.cluster-mechatronics.eu](http://www.cluster-mechatronics.eu)
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

http://www.cluster-mechatronics.eu
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

http://www.cluster-mechatronics.eu
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

http://www.cluster-mechatronics.eu
MEMBERS

Non Government Organisations:

- The GIS - Transfer Center Foundation
  www.gis-tc.org
  kostadinov@gis-tc.org

- The Bulgarian Industrial Association
  www.bia-bq.com
  branch@bia-bq.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

http://www.cluster-mechatronics.eu
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

http://www.cluster-mechatronics.eu
INTEGRATED COMPLEX FOR HIGH-TEMPERATURE CUTTING OF SHEET METAL

Gas and Plasma Cutting Machine – in SPESIMA GmbH, Sofia

http://www.cluster-mechatronics.eu
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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(in Sofia)

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info@spesima.eu

**Regional Office**  
(in Blagoevgrad)

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T: (+359 73) 88 20 02  
(+359 73) 88 10 85  
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http://www.cluster-mechatronics.eu