

Applied Research and Development services and solutions for eco-aware organisations

Name	Applied Research and Development services and solutions for eco-aware organisations
Company / institution:	BAY Zoltán Nonprofit Ltd. for Applied Research
Website:	http://www.bayzoltan.hu/en/home/
Country:	Hungary
Segment:	<p>Scientific and technological solutions in various areas of expertise of Key Enabling and Industry 4.0 Technologies:</p> <ul style="list-style-type: none"> - Material Sciences and Mechanical Engineering <ul style="list-style-type: none"> - Nanotechnology - Industrial Biotechnology - Product and Manufacturing Technologies <ul style="list-style-type: none"> - Environmental Protection - Structural Integrity <ul style="list-style-type: none"> - Logistics - Automation - VR/AR. <p>and more!</p>

<p>Description of eco-technology / Summary of the offer</p>	<p>BAY Zoltán Nonprofit Ltd., the biggest Applied Research and Development Centre of Hungary is considered as one of the most important epicentres of Hungary's Innovation Ecosystem.</p> <p>BAY Zoltán Nonprofit Ltd. has more than 25 years of experience in RDI and knowledge management.</p> <p>We provide our clients - currently more than 200 (including international) companies - complex scientific and technological solutions in various areas of expertise of Key Enabling and Industry 4.0 Technologies.</p> <p>Some of our products/services:</p> <ul style="list-style-type: none"> - Development of materials and technologies; related solutions <ul style="list-style-type: none"> structural and functional materials - Development of joining and machining technologies: <ul style="list-style-type: none"> welding, soldering, cutting and machining - Coating and surface finishing technologies <ul style="list-style-type: none"> - Industrial laser technologies - Material testing services - Development of products and processes, modelling and optimization - Numerical modelling and investigation of the degradation processes of structural materials <ul style="list-style-type: none"> - Analyses of operational safety, risk management, lifecycle assessment <ul style="list-style-type: none"> - Complex failure analyses - Custom and embedded software development - Development of WEB-based softwares and databases - Production, testing, and verification of printed circuit boards, prototyping and small series production <ul style="list-style-type: none"> - Special-purpose machine development - Simulation and optimization of manufacturing and service providing companies' logistics processes - GIS-based decision support systems for route planning and examination of the installation of logistics system elements - Logistical planning, development and testing of waste management systems
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How is it eco-innovative?	Eco-innovation is a key priority for our partnerships
What are the main advantages?	BAY Zoltán Nonprofit Ltd. is considered as one of the most important epicentres of Hungary's Innovation Ecosystem.
Forms of cooperation looking for	Applied Research and Development projects for all types of clients
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