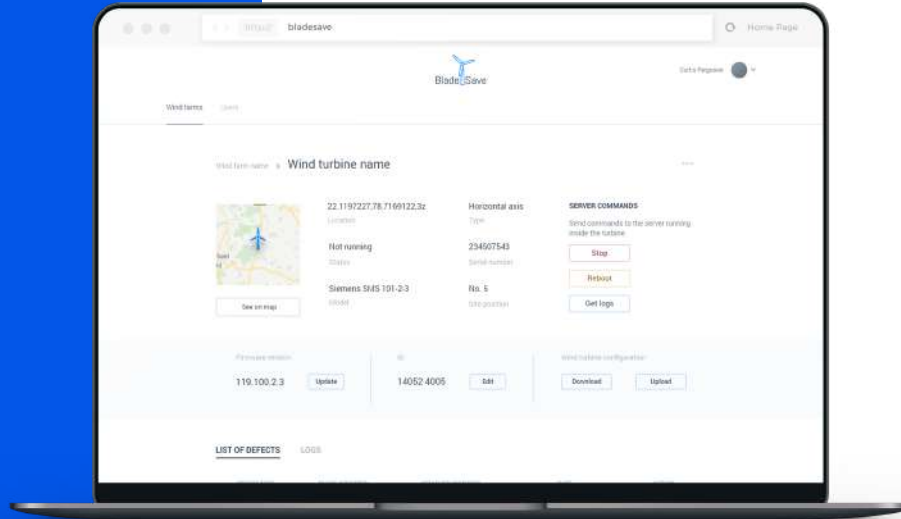


European Projects

Development Portfolio



About us

ASSIST Software was founded in 1992 and is a software company based in Suceava, Romania. ASSIST Software specializes in outsourcing software development projects.



28 Years of
Experience



200+ Full-Time
Employees



240 Clients
around the world



463 Projects
Completed since 1992

European Projects

Development Portfolio

PIGWAVES

PIGWaves project has addressed the need to develop an inspection tool for in-service NDT inspection of unpiggable pipelines while at the same time replacing existing methods of inspection for piggable pipes with (i) orders of magnitude less data storage time with consequent (ii) greater (robot) inspection speed and (iii) far quicker availability of the inspection results after robot recovery.

The goal of PIGWaves project was to provide a single internal in-service pipe inspection tool capable of inspecting both piggable and currently unpiggable oil pipelines of steel construction and internal diameter 150-350mm, which provides 100% volume inspection.

PIGWaves system performs total volume inspection far more rapidly and accurately than current methods of ultrasonic NDT inspection.



Partners

-  ASSIST Software SRL
-  Draxis Environmental Technologies S.A.
-  iKnowHow Informatics S.A.
-  Innovative Technology and Science Limited
-  REPSOL YPF S.A.
-  Tangent Technologies
-  TWI Limited

SAFEWIRE

The Safewire project has proposed to develop a new generation of novel Non-Destructive Testing sensors and systems that can inspect ageing aircraft wiring for faults in wiring and insulation without the need to dismantle the aircraft structures.

The system is composed from a sensor array that is clamped to the harness, energised by a handheld pulser/receiver. Flaws in the wiring reflects ultrasound back to the sensor assembly and will be detected by the pulser/receiver. Insulation damage is recognised by advanced signal processing and pattern recognition techniques.

The SAFEWIRE project lead to an inspection device, protected by patents, which can be manufactured by the SME partners and offered as a service by SMEs from within the consortium and across Europe.



Partners

-  ASSIST Software SRL
-  Brunel University
-  Centre for Research and Technology
-  Fokker Elmo
-  Hortec BV
-  Plant Integrity Limited
-  Polkom Badania

DURAFILE

The DURAFILE project aimed to offer a novel software solution preserving both personal digital information and the digital information generated by small and medium organizations.

As a standalone application installed on personal computers, DURAFILE will regularly scan all files – working in the background – similarly to anti-virus programs detecting obsolete files or files at risk of obsolescence. The software additionally, will provide specific solutions with high security requirements for those organizations that need to preserve automatically the integrity and accessibility of large, catalogued and searchable archives. As an easy to use tool, DURAFILE will facilitate the preservation of valuable information, and will provide a long term access to data for organizations and individual users.

For more info please visit the website: <http://durafile.eu/>



Partners

-  Abaccus Soluciones e Innovación
-  ASSIST Software SRL
-  ATEKNEA Solutions
-  Easy Innova S.L.
-  EES
-  Highlands Technology
-  IDEC
-  Tallinn University
-  Universitat de Girona

VINBOT

Vinbot addresses the strategic objectives of the European Commission's wine sector reform through improved yield management by introducing a novel, autonomous, computer vision, and cloud-computing based robot economically accessible to SME winegrowers.


Vinbot is an all-terrain autonomous mobile robot with a set of sensors capable of capturing and analysing vineyard images and 3D data by means of cloud computing applications, to determine canopy features and the yield of vineyards and to share this information with the winegrowers. Vinbot responds to a need to boost the quality of European wines by implementing precision viticulture to estimate the vegetative and reproductive components of a vineyard canopy.

Winegrowers are able to estimate yield accurately in order to obtain robust information to help decisions on canopy management techniques, cluster thinning needs, planning and organize the harvest, planning cellar needs, planning purchases and/or grape sales, establish grape prices and management of wine stocks, etc.

VINBOT



Partners

-  ASSIST Software SRL
-  ATEKNEA Solutions
-  Bodegas Familiares de Rio
-  Cantine d'Alfonso del Sordo
-  Cooperativa Agrícola de Granja
-  Instituto Superior de Agronomía
-  Orgoványi Gazdaszövetkezet
-  Robotnik

School on the Cloud

School on the Cloud, a European project on Lifelong Learning Programme aimed to change the whole system of education by motivating and engaging school and university students as well as unemployed people/ VET trainees and prepares them for employment.

School on Cloud is an ICT network with the main goal to develop new dynamic ways to educate. Participants have shared knowledge with one another and jointly develop new knowledge. The project encourages teachers and educators to innovate creatively, using digital technology and resources. Both teachers and students are encouraged to learn with this new technology. Just as students learn new technologies, teachers are helped to catch up with them. It can dramatically increase opportunity for collaboration amongst learners and interaction with the teacher resulting into improved pedagogy.

The Network consists of 57 Partners, most of whom are leaders in their educational sectors, representing 18 European countries and include 10 Schools, 21 Universities, Companies, NGOs, National Authorities, Research Centres, Associations and Adult Education providers.

For more info please visit the website:
www.schoolonthecloud.eu



Lifelong
Learning
Programme

Partners

 57 partners from 18 European countries

Bonafide

BONAFIDE is a solution that provides transparent product information directly linked to individual needs, requirements and preferences, such as allergy and intolerance specific data. Furthermore, it creates an opportunity for producers and retailers to improve their customer relationships, thereby increasing customer loyalty.

Whether you are at the store, the office or at home, the BONAFIDE smartphone application allows you to scan any product available on the server and the service will instantly show all key information related to that product. You get nutritional and ingredient data, user ratings and are alerted if a particular product does not match your personal profile.

The BONAFIDE service empowers conscious consumers to make informed choices when organizing their groceries.



Partners



Start-Up Internationalization

Start-Up Internationalization (SUI) is an EU wide partnership project designed to identify core and innovative learning methods that best encourages success in international activities for start-up and entrepreneur.

Project partners have designed an innovative training course for the internationalization of the start-up's that serve as a guide to solve the special needs for start-up and entrepreneurs to get the proper training in essential aspects of the internationalization process, through the cooperation of the partners.

The training course is complemented with an e-learning platform that will work in both ways, one as support for trainers in face to face course, but also in distance and on-line training. Also SUI project pursue to provide and support also the properly environment to promote entrepreneurs attitude about the vital importance of internationalization of the start-up in early stages, by a team of key actors playing vital roles as training providers, inspirational models, mentors, network facilitators and other feeders.

For more info please visit the website:
<http://startup-internationalization.eu>



Partners

-  Asociacion de Empresarios Jovenes de Valencia
-  ASSIST Software SRL
-  Amery Brothers
-  FyG Consultores
-  INOVA+ Innovation Services, SA
-  Consorzio Materahub Industrie Culturali e Creative

Learning 2 Learn

“Learning to learn entrepreneurship for low skill young people” is an EU- Funded programme through Erasmus+ KA2 – Strategic Partnerships for Vocational Education and Training. The project supports low skilled young entrepreneurs to develop and realize business ideas to be launched on the European and global markets.

The partnership has produced a free training course that provide tools in all the essential aspects of the entrepreneurship process leading to the creation of a winning Business Plan. The on-line training course is available on an e-learning platform for young aspiring businessmen, trainees and also for expert trainers who can use it as a support tool for face to face lessons and for distance learning.

The project was developed in the face of rising youth unemployment across the EU and it was identified that increasing the entrepreneurial spirit amount youth is one of the key means to support the European economy and to increase employment levels.

For more info please visit the website:



Partners

-  Asociacion de Empresarios Jovenes de Valencia
-  ASSIST Software SRL
-  E.RI.FO.-Ente di Ricerca e Formazione
-  Instalofi levante, s.l.
-  Panepistimio Thessalias
-  Employability Town LTD

BGame

"BGame: Innovative Strategic Management Games as a teaching methodology for entrepreneurship and business education" is an European initiative funded by the European Commission (Erasmus+) that aimed at creating a strategic management virtual game for Business Trainers to implement in SMEs to further improve the strategic management skills of SME employees and managers and extend the learning opportunities of individual adult learners in entrepreneurial contexts.

BGame offers a set of learning resources that will provide further information to the player on the topics that are approached in the game. For the game to run, players have to make decisions on a wide variety of topics, such as foreign market selection, marketing and advertisement, human resources management, finances, etc. and these learning resources will focus exactly on these topics. This way, the player is learning within the game environment.

For more info please visit the website:
www.bgame-project.eu



Partners

-  INOVA+ Innovation Services, SA
-  ASSIST Software SRL
-  Instalofi Levante SL
-  Die Berater Unternehmensberatungs Gesellschaft MBH
-  Uniwersytet Ekonomiczny w Poznaniu
-  PEEP - Educar Para Empreender Associacao
-  Fundacion Equipo Humano

COMEET+

COMEET+ is an Erasmus Plus KA2 programme funded by The European Commission under Cooperation for Innovation and exchange of Good Practises in Adult education.




The project aimed to transfer and adapt a model of promotion of entrepreneurship and entrepreneurship education based on the key concept that education, and in this case entrepreneurship education, happens everywhere, particularly in those environments in which children and young people receives first education (family, school, local community).

The project has created a useful social learning platform for different community actors, available for other countries working with entrepreneurial education at community level.

COMEET+ is promoting an holistic approach to entrepreneurship education based on the idea that community actors (parents, teachers, youth educators, people working in associations active at community level) have a responsibility when it comes to shape young people mindset and vision of the future and the possibility for them to be more active and entrepreneurial in their every day life.



Partners

-  Consejería de Economía e Infraestructuras Junta de Extremadura
-  ASSIST Software SRL
-  Association Européenne des Enseignants
-  Synthesis Center for Research and Education Limited
-  Consorzio Materahub Industrie Culturali e Creative
-  Stichting Business Development Friesland

Aspire

As life extension projects see many oil wells being used beyond their design life, ensuring the structural integrity of critical components to prevent unexpected failures has become more important than ever.

ASPIRE aims at delivering results to the operator in terms of risk, as the product of probability and consequence of failure. This provides the company with inspection recommendations based on the strength response of the corroded caissons/conductors. These mitigation actions will determine the acceptability of the caisson/conductor to remain in service within the acceptable risk. Through this comprehensive approach to structural integrity assessment, the operator's cost of inspection will be substantially reduced.

ASPIRE commercial product will automate upstream asset inspection and maintenance recommendation, eliminating the need for time-consuming/risky manual inspections followed by data analyses and maintenance recommendation by separate system/third party.

ASPIRE will encourage operators to inspect and maintain vital assets that are often infrequently inspected, if not at all. It will eliminate time wasted for inspection/maintenance of intact equipment (scheduled maintenance shutdowns) and focus attention on assets









ASPIRE



**Horizon 2020
Programme**

Partners

-  Innospection Limited GMBH
-  ASSIST Software SRL
-  TWI Ltd.
-  IKnowHow
-  Consorzio Materahub Industrie Culturali e Creative
-  Transport Systems Catapult






BLADESAVE

BLADESAVE system is a fusion between a Fibre Optic Structural Health Monitoring System (Smartsan) providing multi-sensing capability (strains, vibrations and acoustic emission), and a blade management software (WindManager) linking the data from inspection and maintenance to the SHM data offering a comprehensive solution for wind turbine blade monitoring, repair and management.

BLADESAVE System aims to increase the average annual availability per wind turbine from 95% to 98-99% through the optimisation of maintenance routines and the maximisation of component lifetime versus unscheduled repair/replacement and breakdown.



Partners

-  TWI Ltd.
-  Renewable Advice
-  Smart Fibre
-  ASSIST Software SRL
-  EWT

VALUMICS

The goal of the VALUMICS project is to provide decision makers throughout food value chains with a comprehensive suite of approaches and tools that will enable them to evaluate the impact of strategic and operational policies to enhance the resilience, integrity and sustainability of food value chains for European countries.

VALUMICS will improve the capacity of relevant policies and food chain stakeholders to improve food chain sustainability and resilience. The synthesis of findings using the integrated dynamic system modelling approach will motivate options for innovative business strategies and policy recommendations and thus provide an evidence-based road map for policy-makers and different food chain stakeholders, from primary producers to business associations, to improve food chain efficiency, sustainability and resilience, at both national and EU levels.

VALUMICS research results will serve as a basis for producers and suppliers to engage into a meaningful and relevant dialogue and they will be able to better identify and adjust their efforts to respond to current and future demand benefitting from modelling dashboard designs, scenario results and policy options.



**Horizon 2020
Programme**

Partners

 19 partners from 14 EU countries, and 2 partners from Asia

CounterR

The CounterR proposal addresses the urgent need for LEAs to understand radicalization processes and monitor situations and what communities and individuals are most vulnerable to be radicalized through a novel methodology that has never been deployed before, and relies on the experience of over 30 years of studies in radicalization.

The CounterR solution will cover a wide range of data sources, including digital data such as social media sources, demographic and statistical data openly available for use, news and media sources.

The CounterR solution will employ a combination of dynamic and static data sources to provide an X-ray of potential radicalization and terrorism hubs, allowing LEAs to take coordinated action in combating radicalization before it becomes terrorism, while preserving the privacy of citizens. Specifically, CounterR will be able to provide situational awareness of a community, taking into account Hot-Spots, Vulnerability and Risk factors to focus on prevention and intervention instead of investigations and arrest, which will also aid in softening the relationships between vulnerable communities and LEAs.



**Horizon 2020
Programme**

Partners

 20 Partners from 11 European countries

FIDWork

The overall concept of our project is to develop and implement interventions for combined primary and secondary prevention of stress at the workplace, with the support of digital tools.






Primary, the project will offer a stress-preventive intervention to all employees and supervisors in a company, which will extend over approximately six months followed by a follow-up period of one year and secondary two components: i) Implementation of a psychosomatic consultation in the workplace, ii) Enablement of supervisors and other team leaders to address dysfunctional team communication and behavior.

Both prevention targets are backed by specific e-health components to support organizations, supervisors, and employees in their effort to address mental health on their respective level of responsibility. This includes the optional and voluntary use of wearable sensors for biodata.



**Horizon 2020
Programme**

Partners

-  Universitaetsklinikum Heidelberg
-  Institute of Modern Technology Montenegro
-  Eberhard Karls Universitaet Tuebingen
-  UMIT- Private Universitaet fuer Gesundheitswissenschaften, Medizinische Informatik und Technik GMBH
-  Instalofi Levante SL
-  AALTO Korkeakoulusaatio SR
-  ASSIST Software SRL
-  USATGES BCN 21 SL
-  Universitaet fuer Weiterbildung Krems

MATCON

The “Maternal and Child Health in Conflict” project will develop a mobile health application that will be integrated with several functions: screening, diagnosis, administration of needs, counseling, health and psychoeducation, treatment of depression and treatment of PTSD.

Partners will design, implement and evaluate the MATCON intervention package that addresses the first 1000 days from pregnancy up to two years of age, in order to meet the health care needs of forcibly displaced pregnant women, mothers and young children.

The design thinking method will be applied for developing the m-health application involving representatives of the intended users of the app. By this approach we ensure to meet:

- a) users’ needs,
- b) users’ literacy (reading, writing, computer literacy),
- c) technical limits (availability and level of technology),
- d) users’ acceptance requirements (cultural, financial, e.g.).



**Horizon 2020
Programme**

Partners

-  Heidelberg Institute of Global Health, University of Heidelberg
-  Institue for Health and Society, University of Oslo
-  Central Institute of Mental Health, Mannheim
-  Public Health Department, University of Kampala
-  Centre for Global Health, University of Southampton
-  ASSIST Software SRL



Digital challenges? Let us help you!

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Innovative Minds