

	<h2>Project WideLase</h2>	
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Deliverable N° D 4.2

Creation of website

Project Identifier	318798
Project Acronym	WideLase
Project Title	Monolithic Widely Tunable Interband Cascade Lasers for Safety and Security
Instrument	STREP
Thematic Priority	FP7- ICT-2011.3.5 Core and Disruptive Photonic Technologies
Start date of Project	1 st September 2012
Duration	36 months

Due Date of Deliverable	Month 3
Actual Submission Date	Month 3
Lead Partner	WRUT
Other Partners	ALL

Short description

In this document we report on the creation of a *project dedicated website* which has been designed and then made available under the newly registered domain name WWW.WIDELASE.EU in order to disseminate worldwide general information on the project activities and to promote achievements of the WideLase project.

In addition to a *public area* containing various sections accessible for the broad public there has also been included a password secured *internal part* intended only for the consortium beneficiaries to facilitate file and data exchange and to access restricted material related to the project.

The content of both WideLase website parts will be continuously updated during the entire duration of the project.

Dissemination level		
PU	Public	PU
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission services)	



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Introduction

Dissemination of the progress of the WideLase Project is a responsibility of the entire consortium and treated as one of the priority activities. A main medium is going to be the project dedicated website. As such, it has been designed and launched at a very early stage of the project (before end of month 3) under the following address: www.widelase.eu. The website is divided into **two parts**: *public* and *internal*. The respective content of these two parts is described in closer detail in the following. A screen shot of the WideLase home page is shown below.

The website is going to be maintained and continuously updated by WRUT through the entire project duration with respective contributions from all the WideLase beneficiaries. As a worldwide available medium it is expected to increase the recognition of WideLase and its achievements, and increase the project visibility for a broad public.



Screen shot of the WideLase home page as found at www.widelase.eu.

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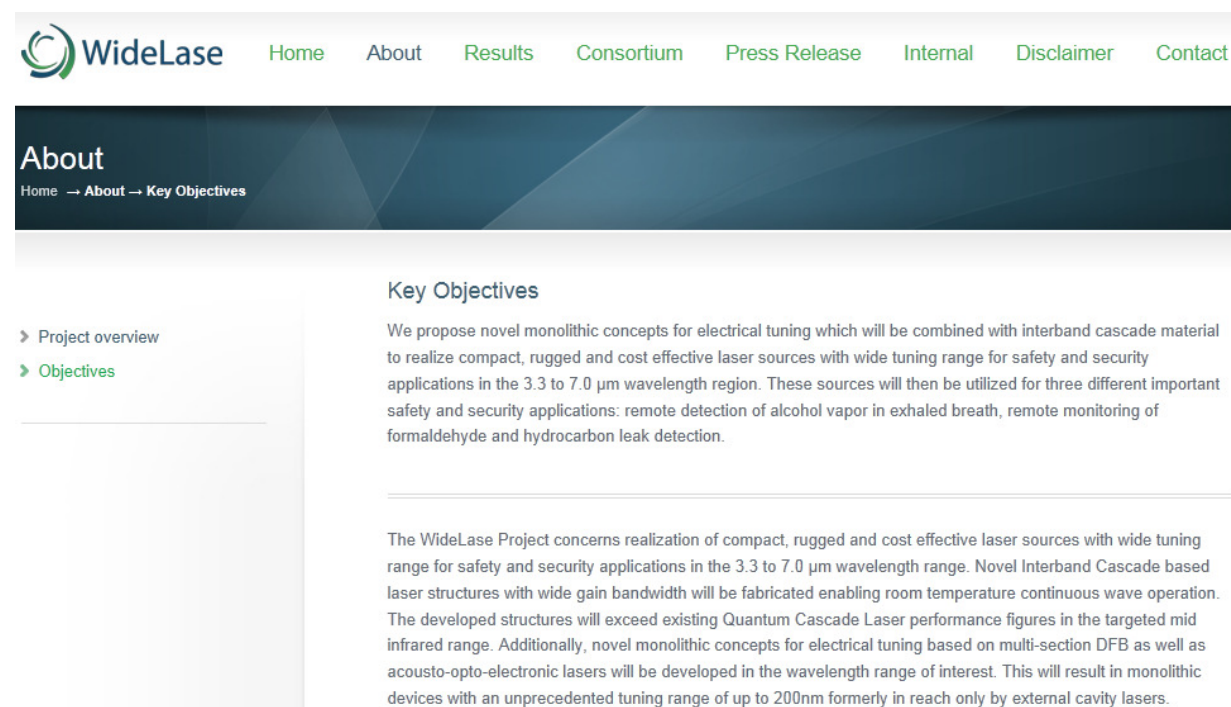


Public part of the website

The content of the public part of the website is divided into several subsections to provide information to a general audience on the project itself and its beneficiaries, but also project achievements. The public part aims to inform the external visitor on the project (its objectives, motivation, potential impact, etc.), on the institutions forming the consortium and their role in the project, and the results achieved (after they get the status suitable to be published). Press release notes originating from the project can also be found in a separate section (the initial press release from the start of the project is already available here).

In addition, an analysis tool “Google Analytics” has been installed on the website in order to have the possibility to monitor and analyze traffic and access to the website.

Some exemplary screen shots taken from various sections of the public part of the home page are given below.



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Project WideLase



Consortium

[Home](#) → [Consortium](#)



nanoplus Nanosystems and Technologies GmbH

NP is an SME which was founded 1998 as spin off from Würzburg University. The company focuses on the development of customer specific optoelectronic devices for sensor applications. The company with currently 65 employees, has two clean room facilities (class 100-10000) with 250 m² and 300 m², respectively. A complete process line for semiconductor laser fabrication is available, comprising mask aligners for optical lithography as well as systems for electron beam lithography, different dry etch systems, sputter systems, evaporators, laser mounting facilities, etc. The key products of nanoplus are complex coupled distributed feedback lasers. In these lasers, complex coupling is obtained by combining a ridge waveguide with metal gratings on top of the waveguide layer on both sides of the laser ridge. DFB lasers realized by this technique in the InGaAs/AlGaAs material system have a high single mode yield (>90%), high sidemode suppression ratio (>40dB) combined with low back reflection sensitivity and thresholds and efficiencies, which correspond to those of Fabry Perot lasers realized from the same layers. The nanoplus GmbH manufactures and sells DFB and Fabry-Perot

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Press Release

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In the recently launched project WideLase a new generation of laser sources for sensing will be developed by a joint effort of European scientists and engineers. A major driver for the realization of these laser sources is the development of a qualitatively new level of techniques for the detection and monitoring of hazardous organic substances.

The availability of improved sensing techniques will result directly in benefits for society and the well-being and health of the population. Within the project technical findings will be instantly validated by two industrial partners of the consortium in important safety applications: A real-time online monitoring instrument for formaldehyde will be investigated by Airoptic (Poland) within the project which also has great commercial potential with emission standards being enforced on products that emit formaldehyde particularly including plywood products. A second application pursued by Airoptic concerns the remote detection of drunk driving. Although alcohol-related traffic accidents have been decreasing throughout the European Union in recent years, driving whilst under the influence of alcohol continues to be an important cause of road fatalities. In addition, a hydrocarbon leak finder will be investigated by Norsk Elektro Optikk (Norway) within WideLase preventing fire hazards as well as preventing impacts on world climate and global warming by reducing methane emissions in sectors encompassing oil and gas production or long distance gas transmission.

Those are only examples of the ways in which the newly developed laser sources can bring about benefits to the public. The underlying laser technology will facilitate a diversity of other applications which will have a positive impact on safety and security while simultaneously contributing to a greener world and having an enormous economic potential. WideLase will create durable links between European industries and academia and will contribute to maintain European competitiveness at an industrial level, by bringing some of the major European component manufacturing centres ahead of competition in important emerging markets.

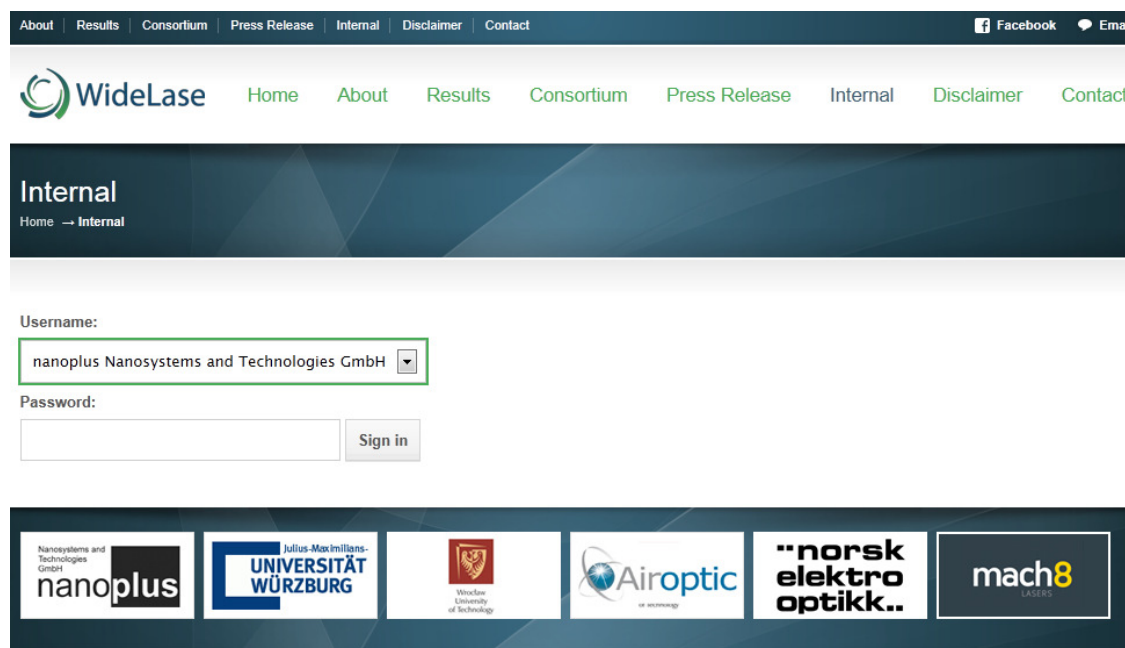
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Internal part of the website

The internal part of the website is intended for the exchange of the files and other information between the beneficiaries, which means that its content is treated confidential. Therefore the access to the internal part is secured with passwords (unique for each beneficiary). Materials like progress or deliverable reports, meeting presentations, documents templates and reporting forms, etc. are stored here. There also exists a special section related to IPR protection which contains subsections with patent applications related to the field of the project, conference abstracts and paper manuscripts prior to submission.

Some screen shots of the internal part with the corresponding login page are given below.



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Project WideLase



logged in as Wrocław University of Technology



[Meeting presentations](#) [Papers and Conferences](#) [IPR issues](#) [Reports](#) [Forms](#) [Sign Out](#)

Meeting presentations

Meeting Place 3, 21-06-2013

[Meeting Place 3, 21-06-2013](#)

[Meeting Place 2, 13-03-2013](#)

[Meeting Place 1, 07-02-2013](#)



Presentation 1



Presentation 2



Presentation 3



Presentation 4



Presentation 5



Presentation 6

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Summary

We have created and launched the project dedicated website under www.widelase.eu. The main role of the website is to serve as broad access dissemination tool and to increase the visibility of the project and its achievements worldwide. The website has been divided into two parts: *public* (providing general information on the project, its consortium and achievements) and *internal* (for the use of the beneficiaries as efficient and confidential way of exchanging files and important documents). The website will be maintained through the entire project duration and updated continuously.

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