



Presentation of OxyTech



A brief history of OxyTech

OxyTech was founded in June 1986 and, for the first 3 years, was the agent of ATB, a Swiss based company owned by Eng. Riemenschneider, the world renowned expert in tunnel lighting and past President of the CIE 88 Committee for Tunnel Lighting.

The main activities of ATB were the production of:

- ▶ Tunnel lighting systems
- ▶ Goniophotometers
- ▶ Lighting design software for HP mainframes

The lighting of the Mont Blanc tunnel was among the most interesting projects carried out in cooperation with ATB.

We closed the cooperation with ATB on May 1989 and since then we started to develop our own products.



OxyTech's Main Developments

- 1988 – opening of the photometric laboratory
- 1989 – development of lighting design software for PCs based on DOS system
- 1990 – development of the first goniophotometer
- 1992 – development of the first modules of **LITESTAR** for MS Windows
- 1995 – development of the **Goniophotometer T2**
- 1999 – relocation to the new premises in Cornaredo
- 2003 – development of the **Mirror Goniophotometer T4**
- 2007 – introduction of **LITESTAR 10**
- 2009 – development of the **Goniophotometer T3**
- 2010 – introduction of **LITESTAR 4D**
- 2011 – certification of the company's ISO 9001 Quality System



OxyTech's 25 years of innovations

OxyTech was the first to introduce important innovations, such as:

- ▶ 1990 – a new lighting design software approach, where the interior and exterior modules were integrated in the same program
- ▶ 1992 – the first multifile program including data from different manufacturers
- ▶ 2007 – the first lighting design software based on the **Photon Mapping** method
- ▶ 2009 – the first **XML** based data interchange file (**OXL**) for the lighting world, the evolution of the Eulumdat and IES photometric file formats



Our target is ...

... to achieve the highest possible level of

simplicity and efficiency

OxyTech nowadays: the headquarters in Italy

OxyTech is made up of a group of 30 people with different capabilities such as:

- ▶ Developers
- ▶ Laboratory technicians
- ▶ OxyTechers
- ▶ Lighting Designers

We also cooperate with the Polytechnic of Milan

OxyTech is located 5 km north west of Milan, the heart of Italy's industrial area

Available at our Lab:

- ▶ 2 Goniophotometers T2
- ▶ 1 Goniophotometer T3

for photometric and colorimetric measurements



Presentation of OxyTech

OxyTech nowadays: the ISO 9001-2008 Quality System

OxyTech is certified following the ISO 9001-2008 Quality System Standard by TUV Intercert.



OxyTech nowadays: the branches

OxyTech has opened a series of branches throughout the world so as to offer a better support to customers in:

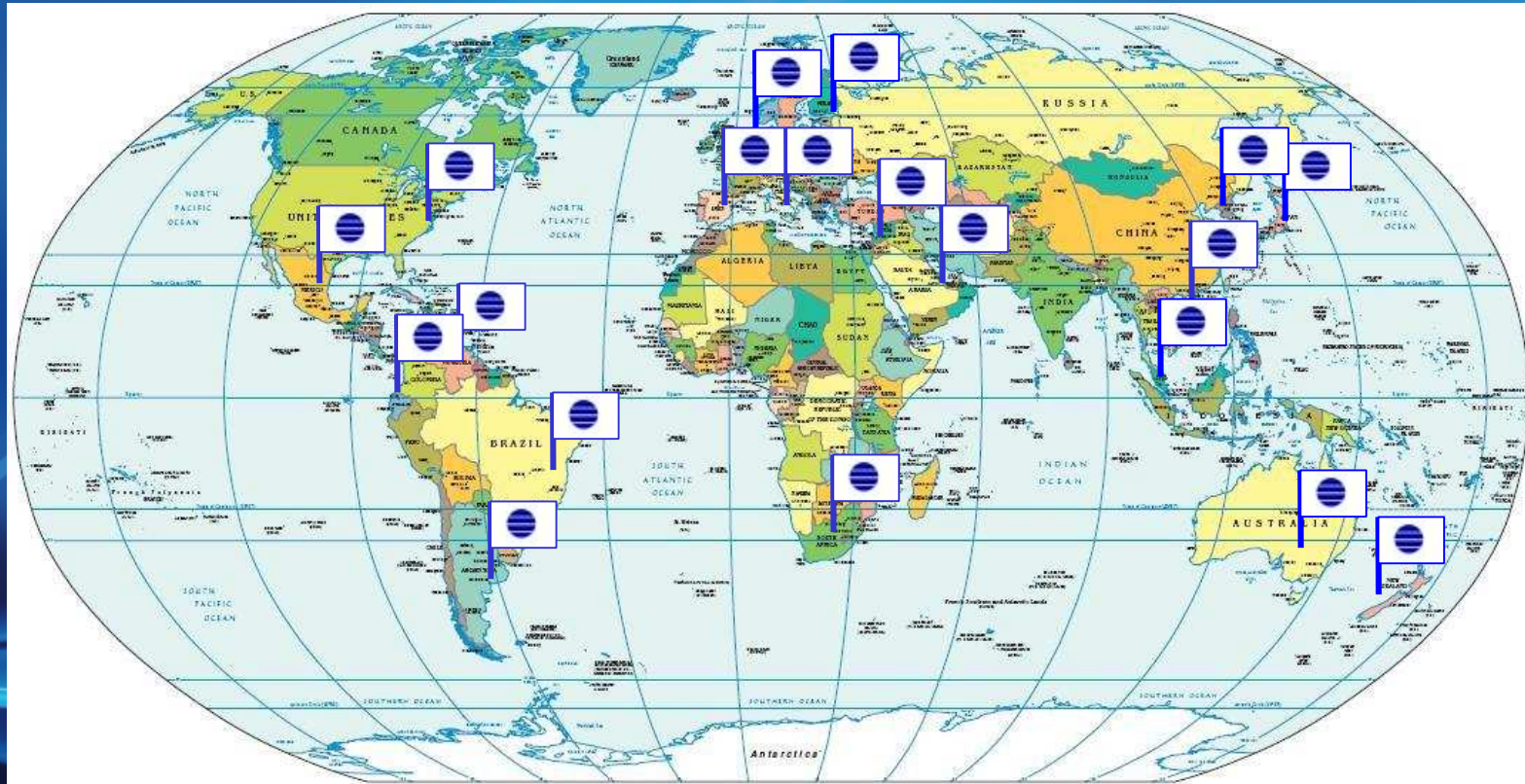
- ▶ **Spain:** Asselum – OxyTech S.L. Group
- ▶ **China:** OxyTech FE Ltd

There are active OxyTechers as well in:

- | | |
|------------------------------------|----------------------|
| ▶ Canada | ▶ Italy |
| ▶ Finland | ▶ Mexico |
| ▶ France | ▶ South Korea |
| ▶ Great Britain and Ireland | ▶ USA |
| ▶ Japan | |

Presentation of OxyTech

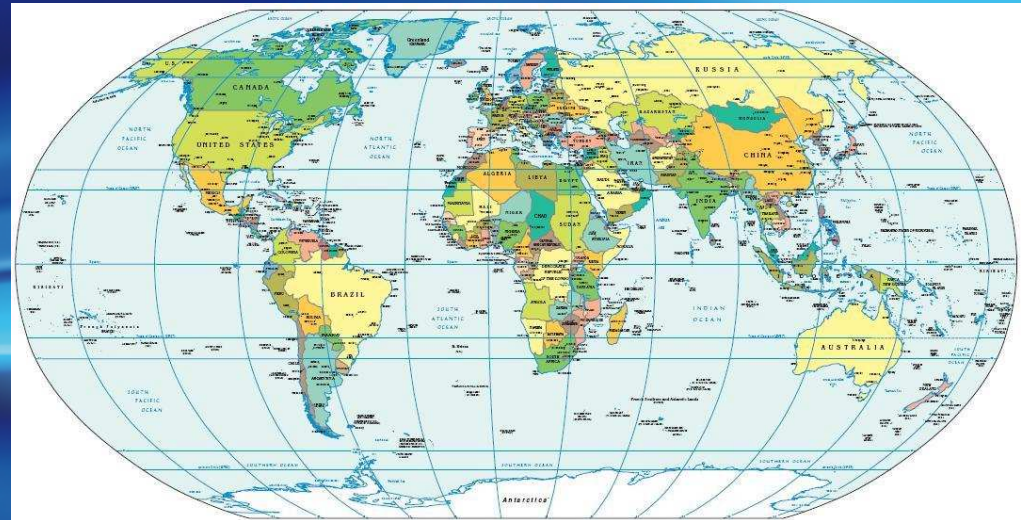
OxyTech in the world



OxyTech in the world: its Customers

OxyTech has customers all over the world.

Considering the distribution of over 1.000.000 of copies of the software in 25 years, it can be said that there is a LITESTAR user in every corner of the world.



OxyTech's Philosophy ... the **LITESTAR Project**

Everything we do is under the name of
LITESTAR Project, the **heart** of our activity,
the idea to develop with our Partners
a system of software and hardware tools
where manufacturers, designers, installers, public
bodies, retailers and wholesalers
can cooperate together, at the same level,
with the aim of diffusing good lighting to everybody



LITESTAR Project Partners

LITESTAR Project Partners are:

- ▶ manufacturers
- but also:
- ▶ architects and engineers
- ▶ installers
- ▶ lighting designers
- ▶ public bodies
- ▶ retailers
- ▶ wholesalers



OxyTech's offer

OxyTech's activities are grouped into:

- ▶ **Software**

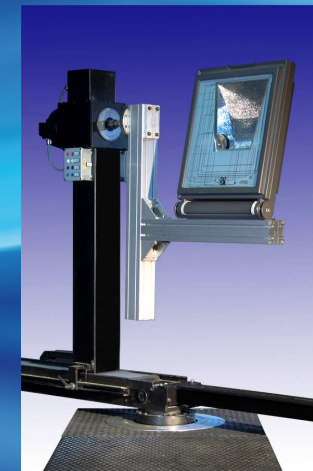
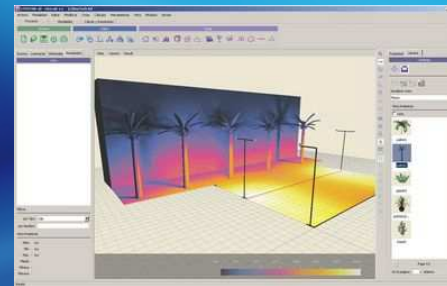
- ▶ lighting design
- ▶ interactive electronic catalog
- ▶ Webcatalogs

- ▶ **Hardware**

- ▶ systems for photometric laboratories
- ▶ light measuring instruments

- ▶ **Services**

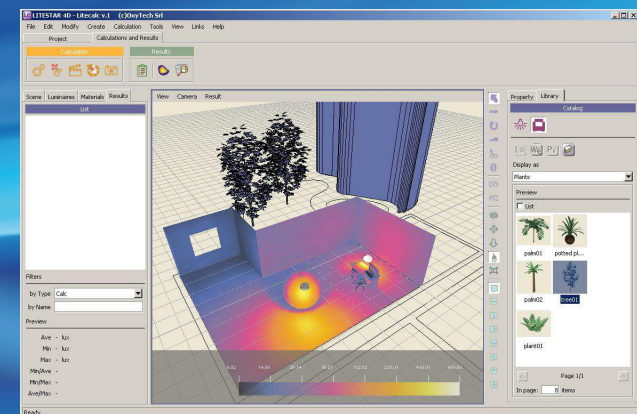
- ▶ photometric measurements
- ▶ color measurements
- ▶ data management
- ▶ consultancies



OxyTech's offer - software

The software program is called LITESTAR 4D and is a Suite of 5 modules:

- ▶ **Litecalc** – lighting design, calculation, rendering/ray tracing and 2D-3D CAD interface
- ▶ **Liswin** – interactive electronic catalog with spec and data-sheet management features
- ▶ **WebCatalog** – interactive electronic catalog for the Internet
- ▶ **Lisdat** – catalog data management
- ▶ **Photoview** – photometric data management



OxyTech's offer - hardware

Our hardware includes:

- ▶ Lamp turning goniophotometers **T1+T2**
- ▶ Rotating photocell goniophotometer **T3**
- ▶ Mirror goniophotometer **T4**
- ▶ Integrating spheres **S1**
- ▶ Color measurement systems **C1+C2**
- ▶ Lamp calibration system **L1**
- ▶ Luxmeters **M1+M2**



References

Our machines are used by over 60 manufacturers and public bodies in 3 different continents in the world.

OxyTech's offer – laboratory services

Our photometric laboratory can perform:

- ▶ photometric measurements of conventional and LED luminaires
- ▶ photometric measurements and calibrations of lamps
- ▶ measurements on emergency fittings
- ▶ special photometric measurements
- ▶ on-site measurements

OxyTech has carried out over 35.000 photometric measurements in more than 25 years of work.

Our laboratory works according to ISO 9001-2008 Quality System and is certified by TUV Intercert.

OxyTech has 3 laboratories for light measurements:

- one located in Italy, with 3 goniophotometers
- one located in China, with 1 goniophotometer
- one located in Spain, with 2 goniophotometers



OxyTech's offer – various services

Our offer includes as well:

- ▶ courses on:
 - ▶ lighting fundamentals
 - ▶ lighting design
 - ▶ lighting standards
 - ▶ LITESTAR 4D
- ▶ consultancies on lighting
- ▶ product database creation and management
- ▶ Web hosting of WebCatalogs



Thanks !



Via Vico 54 – I-20010 Cornaredo Europe

Customer Service: info@oxytech.it

Tel. +39 0293563258 – Fax +39 0293563235

WebOxy: www.oxytech.it