

# Wands



## COMPANY PROFILE

**WandS** is a construction company, which is active in eco - friendly wood Construction. It constructs and delivers turn-key **contemporary, high technology, all wood** buildings.



### OUR VALUES

**WandS** makes every effort to maintain the ecological balance, actively promoting **sustainable development** and **environmental awareness**. The objective of **WandS** is to **minimize** the **environmental impact** of **CO2 emissions**, leaving the lowest possible **carbon footprint** on the environment.

Building owners **understand it**, their customers and facility users **want it**, and governments are **demanding it**.

## SUSTAINABLE CONSTRUCTION

Environmental and sustainable building practices are **demanded and evolving rapidly**. As a result, **WandS** is continually upgrading its environmental awareness and sustainable construction practices for the benefit of its clients. Whether it be recycling, using renewable materials, working to green building standards or, achieving energy efficiency – all these and more are essential in today's practice of sustainable construction and of extreme importance for WandS.

## WOOD CONSTRUCTION SUBCONTRACTOR

**WandS** is a committed **subcontractor** working with architects, engineers and construction contractors on various projects and locations, **highly valuing** its contractors as they are viewed as partners in delivering great project outcomes to their clients.

**WandS** is selected on its capacity to deliver cost effective, **high quality craftsmanship and buildings** in the required time-frame. It meets requirements by aligning its duties and responsibilities according to the contract, committing to the owner's general conditions, time-frame, cost and desired quality.

**WandS** is a dynamic, diversifying and growing company, adding new construction locations around the world taking on larger, more complex projects. That means **WandS** is always eager to increase its network of collaborators that have the right capabilities and share our commitment serving the client's interests and meeting the client's needs.



## AREAS OF EXPERTISE

**WandS** specializes in eco-friendly architectural design **implementation** and delivery, as well as, the provision of innovative support services for architects and engineers.

With years of **experience** and **expertise** in the field of wood construction, **WandS** has the ability to realize the most demanding **custom construction** projects such as:

- Bioclimatic Houses
- Passive Houses and Buildings
- Villas
- Finnish Chalets
- Hotels and Resorts
- Restaurants and Events Facilities

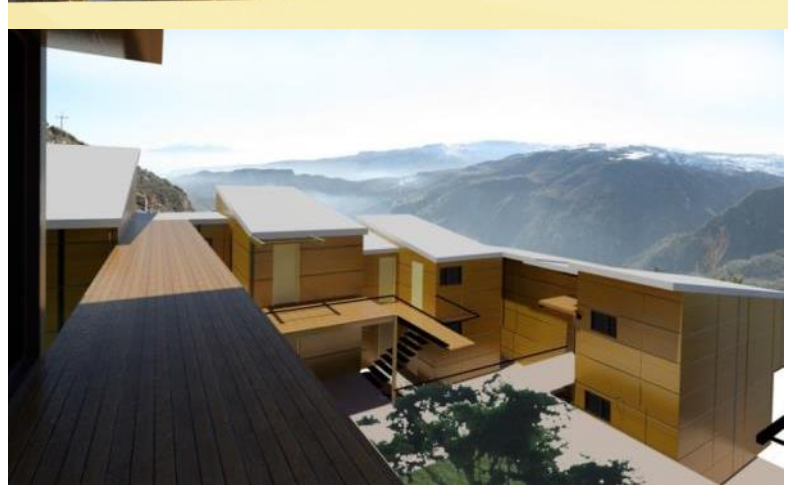
## Custom projects also include:

- Implementation Studies
- Commercial Buildings
- Industrial Buildings
- Warehouses
- Sports Facilities
- Gymnasiums
- Swimming Pools

## INNOVATIVE CONSTRUCTION SOLUTIONS

Innovation has played a leading role in the development of **WandS**.

It constantly develops and **innovates**, offering **differentiated solutions** with a lower carbon footprint, based on customer needs, contributing to sustainable development.



## INDICATIVE PROJECTS



## ADVANTAGES OF TIMBER CONSTRUCTION

The advantages of a timber construction are:

- ✓ Anti-seismic Properties
- ✓ Increased Fire Protection
- ✓ Excellent Thermal Insulation
- ✓ Air tight Construction
- ✓ Energy Efficiency through Low Energy Consumption
- ✓ Healthy Living Conditions
- ✓ Excellent Sound Insulation
- ✓ Excellent Acoustics
- ✓ Eco-friendly Construction
- ✓ Long Lifespan
- ✓ Low Maintenance Costs
- ✓ Accuracy and Integrity of Cost Analysis
- ✓ Short Delivery Times from 3-6 Months
- ✓ Lowest CO2 Footprint
- ✓ Potentials for Future Extensions, Additions, Modifications

## HEALTH & WELL BEING

Wood is a hygroscopic material, which means it has the capacity to absorb and expel moisture from and to the environment.

Wood becomes a regulator of humidity and maintains it at levels that ensure healthy and comfortable living.

Buildings made of Wood are known to withstand all the different extreme weather conditions around the world, such as earthquakes, massive snow loads, heat waves and typhoons.



## EXPERIENCE & SPECIALIZED EXPERTISE

The company was founded in **1999** by wood engineer Anastasios Vasilainas who is specialized in **wood technology and engineering**. **WandS guarantees** for the quality and schedule of completion for each construction.

The company has successfully delivered over **150 projects** in Greece and abroad, namely in France, Italy, Scotland and the Netherlands. With strict adherence to specifications, agreements and conditions, **WandS** ranks as one of the most **trustworthy** companies in the Greek industry.

In addition to its qualified personnel, **WandS** is staffed by a well-trained technical crew organized to build according to European and International Standards.

**WandS** collaborates with architects, engineers and researchers, bringing their plans, designs and vision to life. **WandS** continually explores and looks for innovative, cutting edge solutions in construction and collaboration opportunities.

## OUR FACILITIES

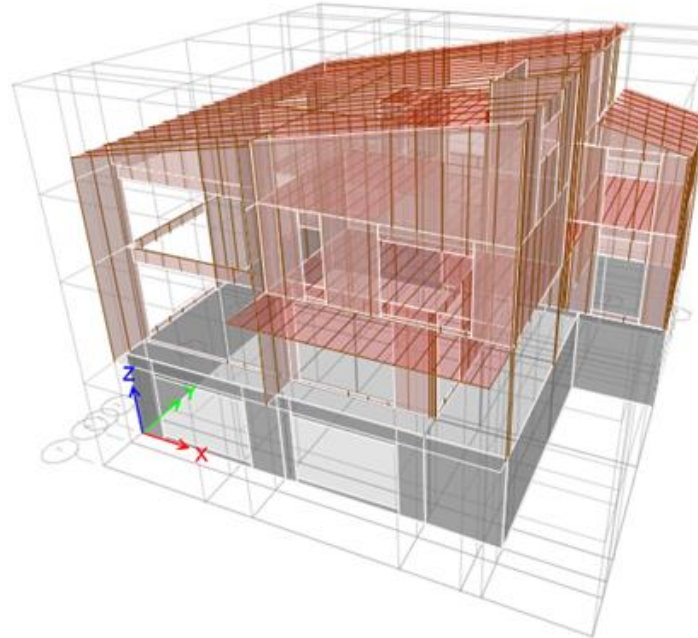
**Wands** has completed an investment of **€ 2.000.000** in building and production facilities. The facilities that include its **headquarters**, a **showroom**, a **production unit** and a **construction timber trade store**, are all of **bioclimatic design**.



## TURN-KEY PROJECTS

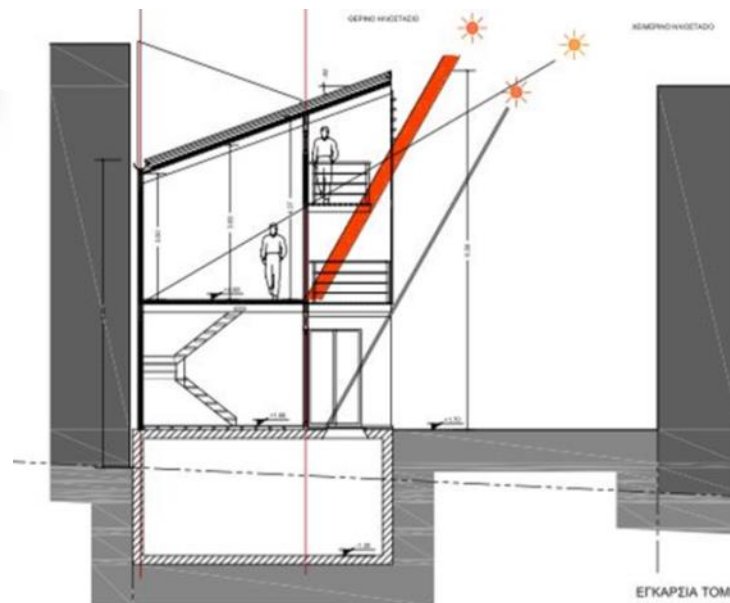
**WandS** provides expert advice, technical support and high quality services in all fields of the construction project which include:

- ✓ Total Project Management
- ✓ Structural Analysis
- ✓ Accurate Cost Analysis
- ✓ Technical Specifications
- ✓ Built by Experienced Craftsmen
- ✓ Construction Guarantee Certificates
- ✓ Quality Assurance Control
- ✓ Energy Audits
- ✓ Energy Inspection with Thermal Camera



## 100 % ENERGY SAVING SOLUTIONS

**WandS** proposes investment solutions with substantial energy saving interventions, like **Geothermal Energy**, eliminating energy operating costs, achieving high saving amounts and promoting environmental awareness in construction.







## WHY BUILD WITH WOOD?

There has never been a better time to choose timber as a building material.

All buildings can benefit from the structural and environmental benefits of timber. With environmental and sustainability issues at the **forefront** of the green building debate, timber has become the **perfect answer** to the question on how to **deliver low carbon design** easily. The potential and scope for timber application is as wide as your imagination. Timber opens up a world of innovation and dialogue for cooperation with other environmentally friendly materials. It is a **flexible, organic** and an **aesthetically attractive** material that allows architects and designers to develop creative and innovative construction solutions.

The visual value of timber is immense. Why design an interior or structural exterior that doesn't look stunning? The use of timber for 'post and beam' design produces **huge interior spans** with the scope to showcase breathtaking use of space and introduce huge swathes of natural light.

Across the world, the **international design community** is embracing timber to deliver high profile, award winning projects from houses, schools and hotels to restaurants, theatres and supermarkets.

## LOW CO2

Wood consists of water and carbon. A timber frame system wall contains the **lowest embodied CO2** compared to any other commercially available building material. When specifying timber you can be confident that the material you



are choosing is a simple and straightforward way to achieve a high **energy efficient performance building**. It ensures a fantastic thermal performance and high airtightness levels, which allow you to confidently **meet energy rating targets** and achieve from **A, A+ performances** to a **Passive Building Score**. With the use of wood as a construction material it can also be achieved a faster construction process, with minimum onsite waste generation, which gives the clients the opportunity for a quicker return on investment. Using structural timber is a huge motivation in achieving maximum energy performance assessment ratings, according to international grading scales BREEAM and LEED, and **demonstrates** a high commitment to **best environmental practices** and **industry approvals**.



## **SUSTAINABLE BY DESIGN, RENEWABLE BY NATURE**

Wood is a **100%** renewable building material. Using it instead of non-renewable materials, based on fossil fuels, considerably reduces the environmental impact namely the "carbon footprint".

Processing of wood requires only **a fraction of the energy** needed by other building materials such as steel, concrete, plastics and aluminum. In addition, energy consumption also remains minimal during construction because only simple tools are required.

During the life cycle of a wood product or a building, carbon dioxide is permanently stored in the material. A well maintained wooden building may **last for centuries**, and at the end of its long life cycle, wood is still useful as a recyclable material.

## SOCIAL RESPONSIBILITY

**WandS** is an integral part of the society in which it operates. Its people are the driving force behind its success. It bases its policies, on principles such as **integrity, morality, honesty** and **mutual respect**. It has created a safe, comfortable and healthy work environment, where **innovation, creativity and continuous improvement (KAIZEN)** are rewarded. Its business strategy has been planned according to the framework defined by the **Global Compact** principles.

By taking care of forests and **using wood** as the foremost building material, we can tackle climate change and meet our International Policy - **Kyoto** commitments for our part.

**WandS** continually develops its processes to make them more environmentally efficient at all levels. By-products such as bark, saw-dust and waste are **100%** recycled or used for bioenergy production.

The popularity of wood construction is **growing strongly**. It is promoted by governments as well as the European Commission. **WandS** understands the true value of **renewable materials**. Supporting sustainable development and living is easy, by choosing the most ecological option. By increasing the use of wood as a building material, we can save non-renewable natural resources for the future, especially where there is no alternative material available. **The future of the global environment is in the hands of us all.**



## MAKING THE RIGHT ENVIRONMENTAL CHOICE



## WandS

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