



TensiNet Association

1999 – 2004: European Thematic Network on Tensile Structures (EU funded Growth)

2004 – 2020: the TensiNet association is established and continues under the wings of the Vrije Universiteit Brussel

2020: TensiNet Association becomes an international non-profit association



an

interdisciplinary

group

 Partners TensiNet

 Architecture and engineering offices

 • formTL ingenieure für tragwerk und leichtbau GmbH - Germany

 Manufacturer and fabricator

 • Architen Landrell - UK

 • Vector Foiltec GmbH - Germany

 • Asma Germe - Turkey

 • Sefar AG - Switzerland

 • Canobbio Textile Engineering Srl - Italy

Material producer, Coater and Weaver Mehler Texnologies - Germany Serge Ferrari Group - France Sioen Industries - Belgium

Steelwork and Ropes

o PFEIFER Structures GmbH - Germany

Software Companies

TensiNet - the multi-disciplinary association for all parties interested in tensioned membrane construction

- o Softraxa Arquitectura i Software, SL Spain
- o technet GmbH Germany

Tensilet







































TensiNet Symposium Nantes 2023

Another comparison was made by Zehra Eryuruk The membrane roof has a GWP of 196kg CO_2e/m^2 The metallic roof has a GWP of 333kg CO_2e/m^2 Different designs, metal components can be recycled



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Working Group Sustainability & Comfort

Consider

- $_{\circ}$ $\,$ the production,
- the use phase, and
- the end-of-life treatment of components and materials

















Working Group Sustainability & Comfort

Topics to be developed in future

- Recycling of membranes for architecture
- The use of bio-based biodegradable materials for membrane structures



Uncoated Abaca Fabric, Tensinews 17











Working Group Good Practice

Promotes quality in design and construction performance by providing industry best practice requirements



Membrane "Harbour Point", TensiNews28













