

PiBridge SA

Business Opportunity Overview

PiBridge SA, Swiss engineering company specialized in advanced lightweight structural systems, is seeking strategic partners, licensees, manufacturers, and public infrastructure stakeholders interested in developing and commercializing innovative bridge and structural solutions based on Tensairity technology.

Tensairity is a highly innovative structural concept combining air pressure, tension, and compression to create ultra-light, high-performance load-bearing systems. While the core technology is no longer patent-protected and is now in the public domain, its practical application requires advanced engineering expertise, specific calculations, and deep technical know-how.

PiBridge offers not only licensing solutions — including exclusive licensing opportunities — but also full technical support for implementation, including structural calculations, engineering drawings, constructive details, prototyping support, and production guidance.

The technology is particularly suitable for:

- modular emergency bridges for disaster response;
- military and civil temporary bridge systems;
- lightweight mobile bridges transportable by helicopter;
- replacement of traditional modular bridge systems such as Bailey and ACROW;
- temporary scaffoldings / centering systems for reinforced concrete bridges;
- floating pontoons and modular floating platforms;
- remote and hard-to-access infrastructure applications.

Compared to traditional solutions, Tensairity systems offer major advantages:

- significantly lower weight;
- reduced transport and storage costs;
- rapid assembly and disassembly;
- lower production and lifecycle costs;
- high adaptability to different terrains and uses.

This represents a unique opportunity for industrial partners and infrastructure operators looking for cost-efficient, sustainable, and innovative bridge technologies.

Asset Information

PiBridge SA is a Swiss joint-stock company (société anonyme), founded in 2014, with a fully paid share capital of CHF 1,000,000.

The company holds:

- all proprietary engineering know-how related to Tensairity applications;
- design methodologies;
- structural calculation expertise;

- technical development capabilities;
- practical implementation experience for bridge systems and lightweight structures.

PiBridge can provide:

- exclusive or non-exclusive licenses;
- turnkey engineering support;
- project feasibility studies;
- custom technical development;
- manufacturing assistance.

The inventor of Tensairity, founder and current Chief Technical Officer of PiBridge, is directly involved in the company and available to support selected partners in the development and execution phases.

Contact Information

For further information, partnership discussions, licensing opportunities, or technical presentations, please contact:

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