

Aggerbogen



This project was one of the longest wooden bridges of this type in Germany that supports heavy vehicle traffic:

Approach bridges are made of spruce glulam (laminated) in form of timber-concrete composite

Construction creates a large shore area that ensures a rapid drainage in case of floods

The arch beams made of glulam fit in the natural environment

Wood is a suitable material also for big and long bridges in combination with other materials and with profound wood protection.

Innovative solutions for constructive wood protection

The arch bridge is laterally covered with larch. The upper side is covered with a titanium zinc sheet.

Concepts for the subsequent use of the wood for the bridge within the framework of cascade use of wood were established

DETAILS

ORIGIN OF WOOD

Forest

TYPE OF WOOD

Stemwood

MOBILIZATION POTENTIAL

No potential

SUSTAINABILITY POTENTIAL - VALUE

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KIND OF WOOD CONCERNED

Stemwood

EASE OF IMPLEMENTATION

Difficult

IMPACT ON ENVIRONMENT & BIODIVERSITY

Positive especially in comparison with high energy consuming materials like steel

EASE OF IMPLEMENTATION - EVALUATION

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INCOME EFFECT

Positive

KEY PREREQUISITES

Complex project with high standards regarding static and wood building skills

EXPLOITATION POTENTIAL

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TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

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HUB

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JOB EFFECT

High – as this prestige project will increase further wood building projects

ECONOMIC IMPACT

High

COSTS OF IMPLEMENTATION (EURO - €)

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SPECIFIC KNOWLEDGE NEEDED

High

MORE DETAILS

CHALLENGE ADDRESSED

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KEYWORDS

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COUNTRY OF ORIGIN

Germany

DOMAIN

Wood construction industry

DIGITAL SOLUTION

No

SCALE OF APPLICATION

Regional/sub-national

TYPE OF SOLUTION

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INNOVATION

Yes

START AND END YEAR

2014 - 2014

CONTACT DATA

OWNER OR AUTHOR

REPORTER

Holzbau@Schaffitzel.de

REFERENCES AND RESOURCES

MAIN WEBSITE

<https://www.schaffitzel.de/unternehmen/aktuell/207-auszeichnung-holz-proklima>

RESOURCES

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PROJECT WEBSITE

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PROJECT REFERENCE

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PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

