

# 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

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### ORIGIN OF WOOD

Forest

### TYPE OF WOOD

Stemwood

### KIND OF WOOD CONCERNED

Stemwood

### IMPACT ON ENVIRONMENT & BIODIVERSITY

Positive especially in comparison with high energy consuming materials like steel

### INCOME EFFECT

Positive

### EXPLOITATION POTENTIAL

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### HUB

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### ECONOMIC IMPACT

High

### SPECIFIC KNOWLEDGE NEEDED

High

### MOBILIZATION POTENTIAL

No potential

### SUSTAINABILITY POTENTIAL - VALUE

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### EASE OF IMPLEMENTATION

Difficult

### EASE OF IMPLEMENTATION - EVALUATION

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### KEY PREREQUISITES

Complex project with high standards regarding static and wood building skills

### TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

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### JOB EFFECT

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

### COSTS OF IMPLEMENTATION ( EURO - € )

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## MORE DETAILS

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### 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

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### OWNER OR AUTHOR

Holzbau@Schaffitzel.de

### REPORTER

## REFERENCES AND RESOURCES

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### MAIN WEBSITE

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

### PROJECT WEBSITE

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### PROJECT REFERENCE

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### RESOURCES

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**PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED**

Rosewood

**POST DATE**

18 Nov 2019

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**A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY**

