

## WBV Logistics: Optimization of the timber harvest chains and mobilization in private forests – regions Holzkirchen, Rosenheim and Traunstein



Goal of the project was to improve the flow of information and of material in the timber supply process of the forestry associations (WBVs) Traunstein, Rosenheim and Holzkirchen. The following objectives were defined: Creation of an integrative model to increase the competitiveness of all stakeholders in the value-added chain (forest owner, WBVs, contractors, haulers, consumers of wood) Evaluation of different timber harvest chains in the frame of an actual state analysis based on important logistic indicators (i.a. lead times, accounting periods) Recording of organizational structures and of the technical equipment of the WBVs for the identification of the business process flow The study showed that especially in small private forests a clear process coordination is needed to fulfill customer demands while at the same time reducing idle time à consequent use of modern information and communication technology is very essential. In the implementation phase, changes were measured in two models: regional thinning events and the integration model. In the regional thinning events the following changes were recognized: The goal of a timber stack size of 50 m<sup>3</sup> obs could not be reached, in fact, it even decreased to a size below the size of the actual state analysis The share of highly mechanized harvesting methods in total logging increased from 28 % to 37 % (goal: 35 %) The lead time could be reduced from 49 to 38 days (goal: 35 days) The accounting time (end of transport until final billing) could be reduced from 39 to 25 days (goal: 30 days) due to the installation of 4 EDP-interfaces with customers (goal: 5 interfaces)

## DETALJER

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### OPPRINNELSE FOR TRE

Skog

### TYPE TRE

Tre fra rundtvirke

### TYPE TRE INVOLVERT

Stemwood

### PÅVIRKNING PÅ MILJØ OG BIOLOGISK MANGFOLD

Positive on biodiversity and forest resilience enhancement

### INNTEKTSEFFEKT

more efficient working processes and cost reduction possibility identification

### UTNYTTELSESPOTENSIAL

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### HUB

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### ØKONOMISK PÅVIRKNING

more efficient working processes

### SPESIFIKKE KUNNSKAPSBEHOV

Staff have to be trained with IT-tools

### MOBILISERINGSPOTENSIAL

Estimated 1 m<sup>3</sup>/ha through more efficient staff at forest owner association

### BÆREKRAFTPOTENSIAL - VERDI

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### ENKEL IMPLEMENTERING

Medium

### ENKEL IMPLEMENTERING - EVALUERING

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### VIKTIGE FORUTSETNINGER

Using standard IT solutions and adopt existing organization to usage

### TYPE BEGIVENHET DER DENNE BPI HAR BLITT OMTALT

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### EFFEKT PÅ ARBEIDSPLASSER

Better qualified staff through project including results

### KOSTNADER MED IMPLEMENTERING (EURO - €)

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**MER  
INFORMASJON**

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**UTFORDRING ADRESSERT**

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**NØKKEWORD**

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**OPPRINELSESLAND**

Tyskland

**DOMENE**

Avvirkning, infrastruktur, logistikk

**DIGITAL LØSNING**

Nei

**POTENSIALE**

Regional/deler av landet

**TYPE LØSNING**

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**INNOVASJON**

Nei

**START OG SLUTT ÅR**

2003 - 2005

**REFERENCES  
AND RESOURCES**

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**HJEMMESIDE (HOVEDSIDE)**

<http://www.info->

[holz-mobilisierung.org/fileadmin/portale/allgemein/Publikationen\\_und\\_Arbeiten/2005-05\\_WBV-Logistik\\_Optimierung\\_der\\_Holzernteketten\\_Endbericht\\_01.pdf](http://www.info-holzmobilisierung.org/fileadmin/portale/allgemein/Publikationen_und_Arbeiten/2005-05_WBV-Logistik_Optimierung_der_Holzernteketten_Endbericht_01.pdf)

**PROSJEKTETS HJEMMESIDE**

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**REFERANSE TIL PROSJEKT**

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**RESSURSER**

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PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood

INNLEGGSDATO

15 nov 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

