

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 m³ 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)

PODROBNOSTI

PÔVOD DREVA

Les

DRUH DREVA

Kmeňové drevo

UVAŽOVANÝ DRUH DREVA

Stemwood

VPLYV NA ŽIVOTNÉ PROSTREDIE A BIODIVERZITU

Positive on biodiversity and forest resilience enhancement

DOPAD NA PRÍJMY

more efficient working processes and cost reduction possibility identification

POTENCIÁL VYUŽITIA

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ROZBOČOVAČ

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EKONOMICKÝ VPLYV

more efficient working processes

POTREBA ŠPECIFICKÝCH ZNALOSTÍ

Staff have to be trained with IT-tools

MOBILIZAČNÝ POTENCIÁL

Estimated 1 m³/ha through more efficient staff at forest owner association

POTENCIÁL UDRŽATEĽNOSTI - HODNOTA

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UĽAHČENIE IMPLMENTÁCIE

Medium

UĽAHČENIE IMPLMENTÁCIE - HODNOTENIE

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Kľúčové PREPOKLADY

Using standard IT solutions and adopt existing organization to usage

TYP PODUJATIA, NA KTOROM BOL TENTO BPI PREZENTOVANÝ

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DOPAD NA ZAMESTNANOSŤ

Better qualified staff through project including results

NÁKLADY NA IMPLEMENTÁCIU (EURO - €)

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VIAC INFORMÁCIÍ

RIEŠENÁ VÝZVA

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Kľúčové SLOVá

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KRAJINA PôVODU

Nemecko

DOMAIN

Ťažba, infraštruktúra, logistika

DIGITALNE RIEŠENIE

Nie

ROZSAH APLIKÁCIE

Regionálny/

TYP RIEŠENIA

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INOVÁCIE

Nie

ZAČIATOK A KONIEC ROKA

2003 - 2005

REFERENCES AND RESOURCES

HLAVNÁ WEBSTRÁNKA

<http://www.info->

[holzmobilisierung.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)

PROJEKTOVÁ WEBSTRÁNKA

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REFERENCIA PROJEKTU

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ZDROJE

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PROJEKT, V RÁMCI KTORÉHO BOL TENTO INFORMAČNÝ PREHĽAD VYTVORENÝ

Rosewood

DÁTUM ODOSLANIA

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

