AFoRS

AFoRS – Automated Photogrammetric Raw Wood Survey Service

AFoRS is an online service platform for the optimised data exchange along the wood value chain. The centrepiece of the platform is an automated survey and image processing service for the calculation of the volume (stack and solid cubic metres), the number of logs as well as the distribution of the thickness classes of big and small stacks of raw wood.

AFoRS provides a customised and innovative IT-tool, which offers those participating in forest and wood clusters the possibility of optimising the exchange of information as well as of automating logistic processes.

System components:

- Mobile data storage via camera phones
- AdHoc transmission of data via EIP® SSCI (EIP® Safe Session Communication Interface)
- Fully automatic image data processing and calculation of the volume, the number of logs and the distribution of the thickness classes of the captured wood stacks
- Dynamic structuring, management, processing and presentation of data via AFORS EIP® service platform
- Data exchange between process partners and clients as well as export interfaces to other service platforms (IMOTRIS, IHB etc.)

Forestry
- Order number
- Lot number
- Variety
- Type of owner
- Owner
- Period of execution (order)
- Site description

Forestry services / Forwarder
- Stack number
- Variety length
- Bulk factor
- Conversion factor (RM=>FM)
- GPS data
- Stack images
- Remarks / route quality

Service platform

IMOTRIS

IHB
FORDAQ Network
www.ihb.de

AFoRS
- Image data processing
- Volume calculation (RM, FM)
- Thickness class distribution
- Results visualisation
- Stacks management
- Orders and authorisations
  management

Transport
- Digital GPS data
- Start and destination
- Quantity / variety
- Forest path quality
- Stack overview images
- Period of execution (order)
- Additional information

Forestry / Industry
- Objective volume calculation
- Resource overview
- Quality / Quantity
- Stacks location information
- Additional information
- Digital data
- Interfaces (ELDAT)