Real-time managing of timber and biomass procurement, harvesting and supply based on multiple end-users demands in mountain forests
Our Services

Feasibility Assessment Service for Bioenergy Investments

The most complete solution for bioenergy production, managing, harvesting and logistics

“Forest Place” portal for forest owners and other stakeholders bringing forest management plans into pocket over cloud and mobile services
MHG Biomass Manager – Business Development Software Solutions

- Resource Management
- Storage Management
- Work Management
- Mobile Management
- Sales Order Interface

- For real time management and control of all feedstock and forest resources, procurement and supply activities
- For optimal efficiency, transparency, maximise value of materials & certifiable origin tracking
Key Features

- Cultivate forestry as a productive & valued asset.
- Quick & Easy to deploy and start using.
- **NO** own IT personnel required.
- Grows together with your business – add new users & modules – price is monthly per user.
- Automatic updates.
- Everything available via mobile phone.
- EVERYTHING time & date stamped.
- Collects & reports the data a GHG audit trail will require.
- Internet Cloud based service for end-to-end automation of entire timber & biomass supply chain
- Developed together with bioenergy players & researchers
Storage management and logistics
- Work orders -

There could be different kind of work operations assigned to the storage. Operations could be for example hauling, transportation, monitoring etc.

You can add work orders directly from the storage view. You can also use work designer in project view. With work designer you can add multiple work orders very easily.
Storage management and logistics
- Deliveries -

Delivery notes are shown in storage view.
MHG Biomass Manager – user case 1

- Monitoring of available timber & biomass resources

Define field worker (web interface) → Log on mobile device → Create new storage
MHG Biomass Manager – user case 1

• Monitoring of available timber and biomass resources
MHG Biomass Manager – user case 2

- Work order for chipping & transportation of biomass (industrial wood)

Add a new work order for an appropriate project.

Enter work order details and save. You may create several orders at once.

Working order is visible in mobile device of the person in charge.
MHG Biomass Manager – user case 2

- Work order for chipping & transportation of biomass (industrial wood)

Start working by tapping the icon. When work is in progress, icon turns red.

Once finished, tap the icon, input parameters and save.

Completed task is visible in the system.
MHG Biomass Manager – user case 3

- Delivery note for biomass (industrial wood) shipments

Select appropriate storage in mobile device → Mark transportation as started by tapping the icon → Enter load details (weight & km = 0) and save
MHG Biomass Manager – user case 3

- Delivery note for biomass shipments

Once transport is at destination, open “undelivered loading” menu.

Edit delivery note and enter tare weight & driven kilometers. Tap delivered.

Finished shipment will be recorded in the system under the appropriate storage.
Moisture Monitoring of Feedstock

Mobile moisture monitoring devices; MHG Mobile Moisture Monitoring - Blue Tooth + Android app.
Storage Management and Logistics - Situation View on Map Service

Map view is a good way to get situation view about all organization storages. You can view your organization all storages in the same view.
Storage Management and Logistics - Calendar

With calendar feature, organization and contractors can see all operations and critical deadlines for deliveries for instance on single view.
Reporting

All data can be exported to Excel, Word or Pdf for further processing and accounting systems through standard interfaces

Reports can be filtered by time range or by destination
Forest Management Plan Goes Mobile

- Puts forestry management and planning onto a mobile platform
- Tracks real time records of activities
- Integrates with MHG Biomass Manager for full supply chain management
Down Loading of Forest Management Plans

- www.metsapaikka.fi: as xml-format
MHG Biomass Manager is a Tool which Enables

1) New business models based on outsourcing and information sharing in real-time operations
2) Networking of small producers to become trustworthy to end-users
3) Reliable outsourcing of all operations while maintaining overall control of operations related biomass procurement and supply
4) Easy biomass & timber info sharing, deals and optimization between producers, cooperatives, brokers and end-users
5) Biomass quality, quantity and energy content control through all stages of supply chain
6) Securing economical sustainability while tracking expenses and profits of all operations process by process
7) Front-end solution i.e. integration to existing IT-systems (SAP etc) through standard interfaces
8) Low overall costs thanks to SaaS deployment
Thank you for your attention!

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