

Lieksa

Juuka

Valtimo Forestry Machinery

Training Center "More than College"



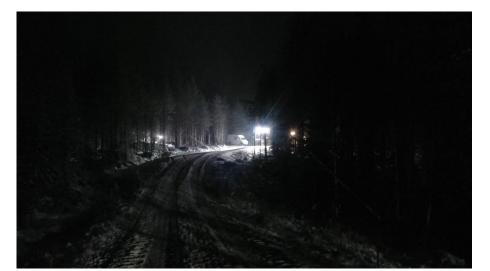


Figures from Valtimo 2016

-11.9.2017

- Students 230
- Staff ~40
 - Teachers 30
 - Others 10
- Turnover 4,5 milj. € (1 € = 1,65 NZD)
- Annual investments 0,4 0,7 milj. €







Facilities of Valtimo

























= 4 pcs





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Virtual simulators in Valtimo

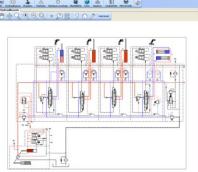












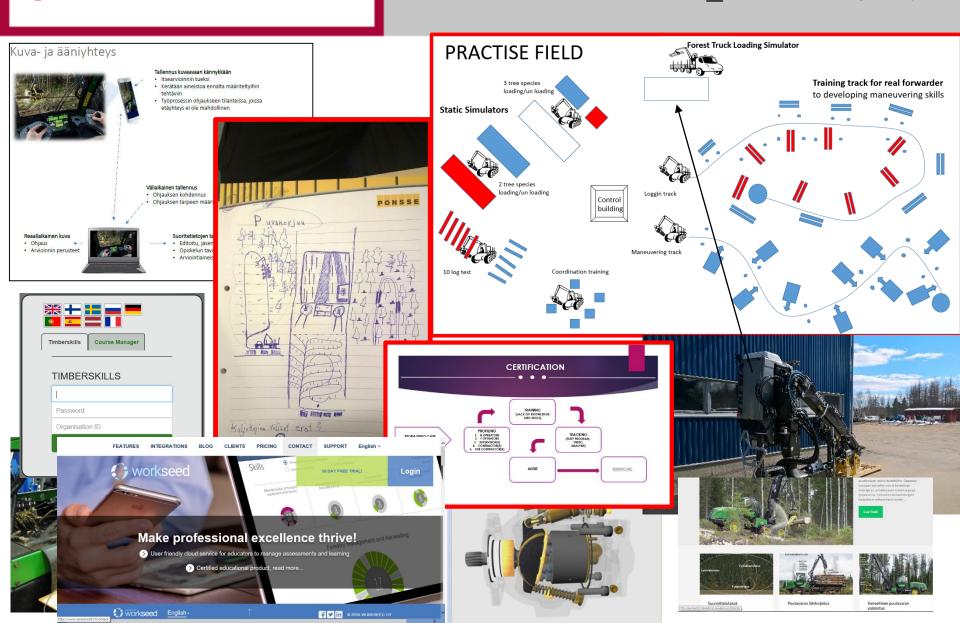






We develop!

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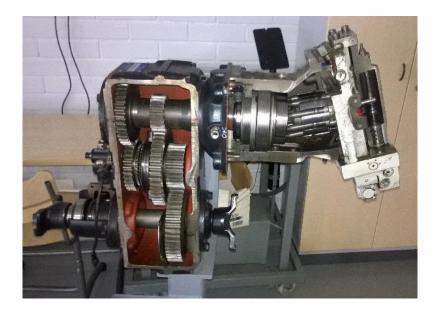
We do ourselves!

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kky.fi

We focus to..

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Education system in Finland Doctoral degrees Licenciate degrees Universities Master's degrees Master's degrees Universities of Applied Sciences Universities ↑ Work experience 3 years Bachelor's degrees Bachelor's degrees 5 Universities Universities of Applied Sciences Specialist vocationa qualifications* Work experience Further vocational qualifications* Vocational qualifications* Matriculation examination Vocational institutions General upper secondary schools Also available as apprenticeship training Voluntary additional year of basic education. Basic education 7-16-year-olds Comprehensive schools duration in years Pre-primary education - 6-year-olds Early childhood education and care (ECEC)

5/2016

Liberal adult education

Adult education centres Folk high schools Summer universities Study centres Sports institutes

ISCED-classification 2011

- 0 Early childhood education
- 1 Primary education
- 2 Lower secondary education
- 3 Upper secondary education
- 4 Post-secondary non-tertiary education
- 6 Bachelor's or equivalent
- 7 Master's or equivalent
- 8 Doctoral or equivalent

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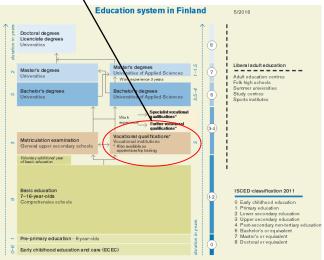
The scope of the study programme is 180 credits

Vocational studies - 135 credits, including at least 30 credits

on-the-job training

Common studies - 35 credits

- -mother tongue
- -the other national language
- -foreign language
- -mathematics
- -physics and chemistry
- -social, business and working life studies
- -physical and health education
- -arts and culture





Free-choice studies - 10 credits



Curriculum in Valtimo

Vocational qualifications (Youth and adult)

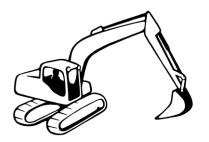
- Harvester operator
- Forwarder operator
- Excavator operator
- Mechanic
- Timber truck driver
- Lumberjack (manual worker)

Specialist and further vocational qualifications (Adult)

- Harvester pro operators
- Forwarder pro operators
- Pro Mechanic
- Supervisors















Harvester operator training - two example

- 1. Vocational qualification (adult and youth)
 - After basic education (comprehensive shools) or
 - Profession changer
- 2. Specialist vocational qualification
 - Professional operators





New Operators Example 1.

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Harvester basic training (at school)

All things about the curriculum

- Speed is not important!
- Contains a lot of work tests
- The aim is independet work slowly!
- Teacher-led training









Controlled Training Process

Supervised work training (at school or contractor)

Focus on work (2) shift issues

- More routine for working
- Includes work shift tests
- The aim is reach at least 2/3 productivity in easy conditions compared to pro operator training (new program!)
- Supervisor-led training

- 1. Student's capabilities and motivation
- 2. Contractor requirements

Duration of training:

On-the-job training (at contractor)

The aim is to get work!

- Even more routine for working
- Remote connection-led



- Itsearvioinnin tueksi Kerätään aineistoa ennalta määriteltyihin
- Työprosessin ohjaukseen tilanteissa, joissa etäyhteys ei ole mahdollinen

Väliaikainen tallennus

Ohjauksen tarneen määrittelyn tuki

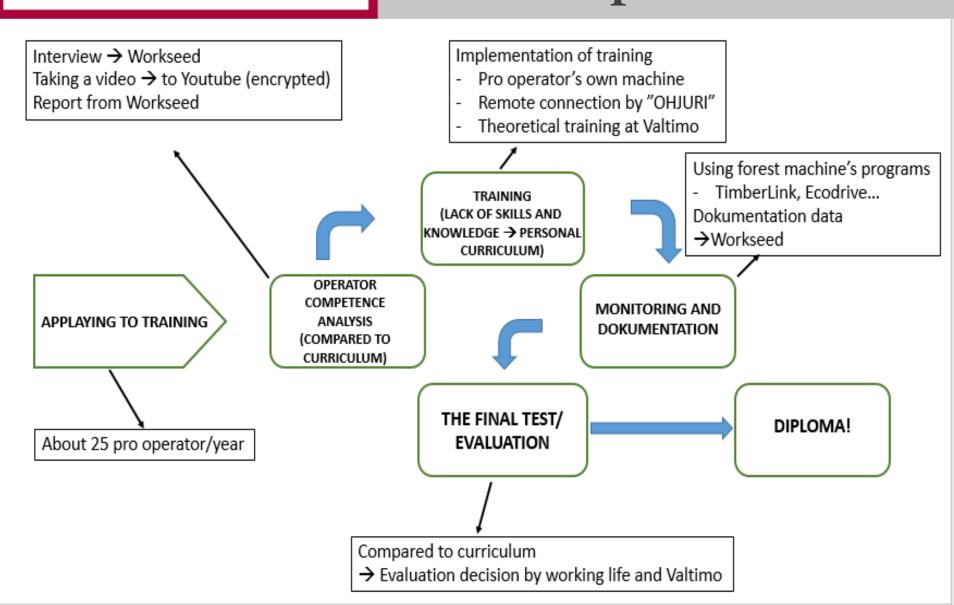
· Ohjaus Arvioinnin perusteet

Supritetietojen tallennus Workseed (Amov. tietokanta) · Editoitu, jäsennetty ja järjestetty aineisto · Opiskelun tavoitteiden seuranta Arviointiaineiston dokumentointi

Pro Operators Example 2.

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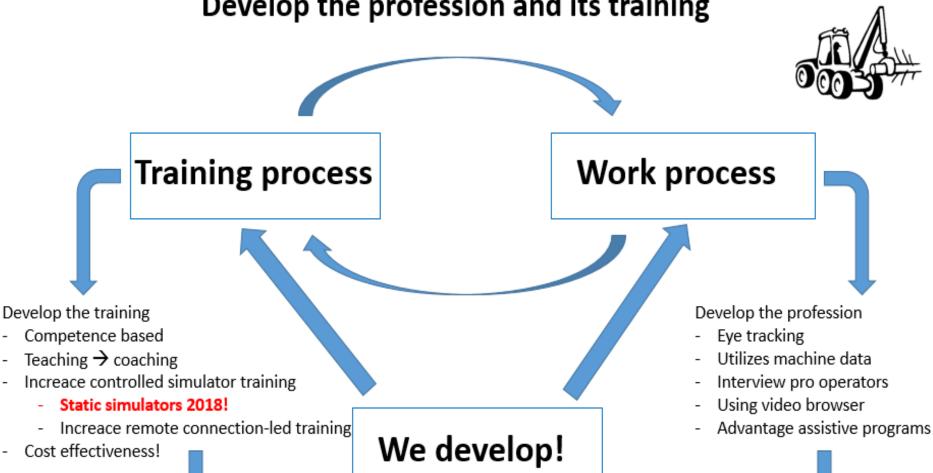
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Energy efficiency





More skilfull, more even, faster

But not alone!

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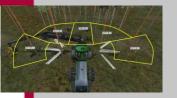


Expertise

work studies in forestry and harvesting, logistic of wood procurement, discrete-event simulation and drones

www.deere.fi







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References



- Video analyses for professional operator's
- Working model (2 x thinning and 2 x clearcut) training for other Forestry school's, supervisor's (mostly for foreign), professional operator's, contractor's
- We are wanted development partner (universities, recearch units, forest machine manufactures and dealers etc.)
- We have done and we are constantly creating training material (textbook, ematerial etc.)
- Develop simulators and simulator learning environment (TimberSkills4 and Simtrainer)









Contact information

11.9.2017

Thank You!

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