

LAD100  
Del 3 BIM  
Programmer  
24.01.2012

Eilif Hjelseth



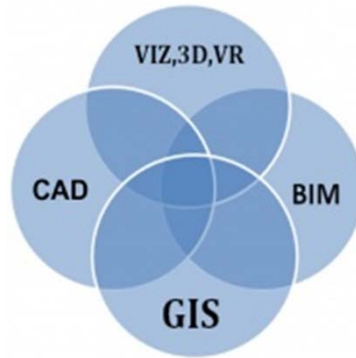
Landscape Architecture is a field that has been seriously under-served in the software available. There are high end complex civil engineering programs and then there is the home landscaper stuff





### Digital UMB, Platform for collaboration in ICT

- UMB launch a new platform for collaboration in information technology across institutes in the fields of building engineering, planning, construction and design.

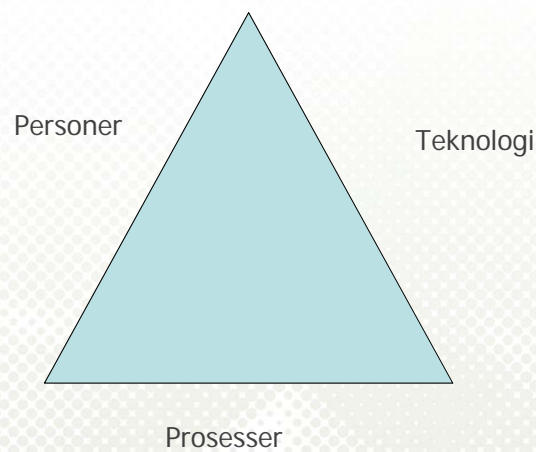


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### Integrated Design and Delivery Solutions



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**Programmer - verktøy**

- Hvilke programmer har dere brukt selv?
- Hva gjør disse?
- Hvilke programmer kjenner der til?
- Hvilke programmer tror dere at man bruker mest tid?

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● Hvordan stemmer dette med deres erfaringer?

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## OpenBIM – it's IFC and it's free!

- IFC-blues
- [http://www.youtube.com/watch?v=3-TaMp4\\_Nfo](http://www.youtube.com/watch?v=3-TaMp4_Nfo)
  
- BIM collaboration
- <http://www.youtube.com/watch?feature=endscreen&v=LiBUBuGw9y8&NR=1>

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- Hva er mulig å gjøre i dag?
- om noen år – når dere er utdannet på UMB
- når dere har fått erfaring og ledende oppgaver

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- Hvilket program skal man velge?
- Forlag til kriterier?

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GVITECH

En Bymodell for urbane prosjekter.



**Digital City  
BEIJING**

Area: 90km<sup>2</sup> Building Amount: 40,000  
DOM Resolution: 0.3m Polygon Amount: 2,000,000

<http://www.youtube.com/watch?v=Bo3CDsdpDKo>

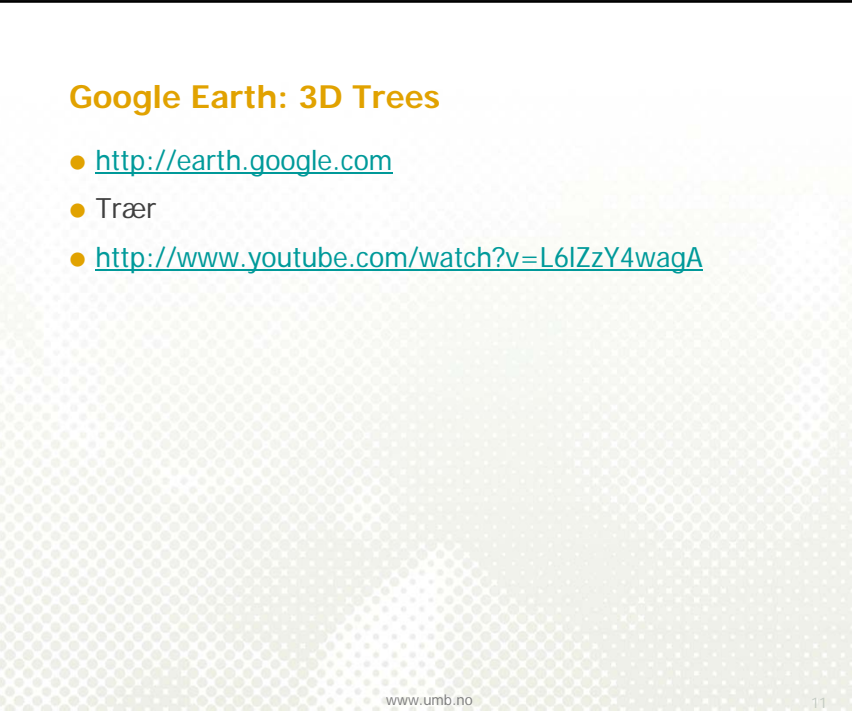
- Takk til Åge Langedrag, Multiconsult for tipset om GVITECH

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## Google Earth: 3D Trees

- <http://earth.google.com>
- Trær
- <http://www.youtube.com/watch?v=L6lZzY4wagA>



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## LUMION

- <http://lumion3d.com/free/>



- <http://www.youtube.com/watch?v=R7qRUGkt4Ws>
- Takk til Åge Langedrag, Multiconsult for tipset om Lumion

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## Åge Langedrag, Multiconsult

- Bruk av arkitektprogrammet Revit til landskapsarkitektur
- <http://revitlandscape.blogspot.com/>
- Høyhastighetsjernbane
- <http://www.multiconsult.no/Forretningsomraader/Samferdseleinfrastruktur/hhu/Hoyhastighetsutredning---Illustrasjoner/>

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## ASLA

- <http://www.asla.org/software.aspx>
- Liste over gratis programvare ☺

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## Solibri

- <http://www.solibri.com/>
- Solibri Model Checker
- Solibri Model Viewer

● **Video Solibri - Model Checking**

- [http://www.youtube.com/watch?v=WKsY91UF-po&feature=plcp&context=C34d32c8UDOEgsToPDskJ1e2dbx2NKIJGiUiWiDo\\_f](http://www.youtube.com/watch?v=WKsY91UF-po&feature=plcp&context=C34d32c8UDOEgsToPDskJ1e2dbx2NKIJGiUiWiDo_f)

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## Vectorworks Landmark



DESIGN what you dream.  
Work the way you CHOOSE.  
CREATE landscapes that set you apart.

- <http://www.vectorworks.net/landmark/index.php>
- - er et 2D/3D CAD/BIM-verktøy utviklet spesielt for landskapsarkitekter og anleggsgartnere.
- - importerer/eksporterer bl.a. i IFC-format.
- - med SOSIworks tilfredsstillende alle krav i SOSI-formatet, med bl. a. import/eksport av .sos-filer
- - har en innebygget DTM (digital terrengmodell) og støtter GIS/verdensbaserte projeksjoner
- - sin plantedatabase er brukervennlig, data- og omfangsrik

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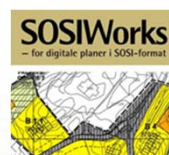
## Vectorworks Landmark



- Gratis 30 dagers versjon
- <http://www.vectorworks.net/trial/form>
- Video:  
[http://download2.nemetschek.net/ProductTour/LANDMARK\\_Overview/Land2008\\_Overview.htm](http://download2.nemetschek.net/ProductTour/LANDMARK_Overview/Land2008_Overview.htm)




## SOSIworks — versjon 4.2



- <http://www.dakantus.no/sosiworks/>
- SOSIworks er et effektivt verktøy for å utarbeide digitale reguleringsplaner i SOSI-formatet. SOSIworks er en tilleggsmodul til Vectorworks Architect, Landmark og Designer



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## DDS

- <http://www.dds.no/>
- DDS-CAD Viewer:
- <http://www.dds-cad.net/132x2x0.xhtml>
- DDS-CAD MEP is an advanced Building Information Modelling (BIM) tool for the design and documentation of electrical, HVAC and plumbing systems for buildings. It is a **stand-alone system**, rather than an add-on product which relies on a 3rd party CAD system like many other products on the market.
- DDS-CAD Architect is highly specialized for designing residential buildings mainly made of timber as one will find in northern Europe.

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## Gemini Terreng

- [http://geminisupport.no/viewpage.php?page\\_id=10](http://geminisupport.no/viewpage.php?page_id=10)
- Opplæringsvideoer
- [http://geminisupport.no/faq.php?cat\\_id=5](http://geminisupport.no/faq.php?cat_id=5)

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## NOIS

- <http://www.nois.no/>
  - Kalkyle ++

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## holte byggsafe

- <http://www.holtebyggsafe.no/>
  - Kalkyle ++

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## BIM server



- <http://bimserver.org/>
- The open source BIMserver is the ideal tool to support your dynamic design, engineering, construction and building maintenance process. It will give you the control you need on your Building Information Models. [Read more....](#)





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## Graphisoft

- <http://www.graphisoft.com/>
- MyArchiCAD – for studenter
- <https://myarchicad.com/>
- BIM Curriculum
- <http://www.graphisoft.com/ftp/marketing/eduregistration/curriculum/flv/accurr.html>
- Norsk forhandler
- <http://www.graphisoft.no/>
- [http://www.graphisoft.no/skolestudent\\_hoyskole-universitet.aspx](http://www.graphisoft.no/skolestudent_hoyskole-universitet.aspx)



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## Autodesk

- <http://www.autodesk.com>
- Stort utvalg av programmer innen ulike fagområder
- - PS AutoCAD blir ikke presnert her
- BIM
- <http://usa.autodesk.com/building-information-modeling/>
- Autodesk Education Community
- <http://students.autodesk.com/>

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## Autodesk

- **Autodesk Infrastructure Design Suite**
- <http://usa.autodesk.com/adsk/servlet/index?siteID=123112&id=14215322>
- **BIM for Infrastructure**
- Autodesk® Infrastructure Design Suite is a comprehensive Building Information Modeling (BIM) software solution that combines into a single economical and convenient purchase the tools needed to plan, design, build, and manage civil and infrastructure projects. Three editions of Autodesk Infrastructure Design Suite are available to meet your particular business needs: Standard, Premium, and Ultimate.

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## Autodesk

- **Autodesk Infrastructure Design Suite**
- Video 4:41
- <http://usa.autodesk.com/adsk/servlet/pc/index?siteID=123112&id=17012782>
- **Product Trial**
- <http://usa.autodesk.com/adsk/servlet/pc/index?siteID=123112&id=17024500>
- 
- 

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## Norske forhandlere

- Cad-Q
- <http://www.cad-q.com/no/Startpage/>
- Fokus Software
- <http://www2.focus.no/nyheter.aspx>
- NTI CADcenter
- <http://nticad.no/nti-cadcenter.aspx>
- BETECH DATA AS
- <http://betechdata.com/>

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## LANDCADD™ for Revit®

- <http://www.eaglepoint.com/products/landcaddforrevit/index.html>
- LANDCADD™ for Revit® is designed to offer Architects, Landscape Architects or Designers functionality within Autodesk Revit Architecture to quickly and easily lay out site components, as well as produce a landscape design fully integrated into the project.

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## Google SketchUp Pro

Google SketchUp

- <http://sketchup.google.com/>
- **3D modeling for everyone**
- "SketchUp is the finest (and most innovative) tool available for anyone designing anything from coffee pots to skyscrapers."  
– McCall & Associates
- <http://sketchup.google.com/community/gallery.html>

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## Idea Spectrum - Realtime Landscaping

- <http://www.ideaspectrum.com/>
- **Idea Spectrum** develops powerful, yet user-friendly landscape design software for Windows 7, Vista, and XP. Designed for both homeowners and professional landscape designers, you'll appreciate how easy our software makes it to visualize your landscape design ideas.



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## Artlantis

- Artlantis is the fastest stand-alone 3D rendering application developed especially for architects and designers, ideal for quickly and easily creating high resolution 3D renderings, iVisit 3D Panoramas, QuickTime VR Objects and animations. A recognized leader in preview window technology, Artlantis is the rendering software used by architects, designers and urban design professionals in more than 80 countries.
- <http://www.artlantis.com/index.php?page=products/plugins/index>
- <http://www.artlantis.com/index.php?page=products/medias/index&cdm=3dplants>

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**LandSIM3D®**



- <http://www.bionatics.com/Site/product/landsim3d.php>
- **LandSIM3D®** gjord för:
  - Stadsplanerare, landskapsarkitekter
  - Lokala myndigheter, kommuner
  - Väg- och vattenbyggnad (järnväg, vägar, energi)
  - Naturvård, från naturvårdsområden till hela regioner
  - Skogsbruk
  - Gruvor og stenbrott

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**Søk selv!**



- Kristisk og konstruktiv bruk av programvare for å støtte utviklingen av bedre løsninger er i vekst!
- Lykke til å søket etter de gode løsninger og kombinasjoner!

Eilif

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