



European Master in  
Building Information Modelling

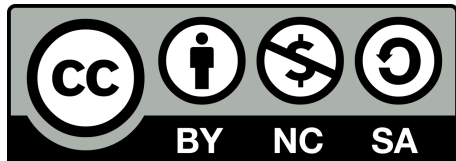
# AEC specifics

Topic 2: Fundamentals of programming

BIM A+3: Parametric Modelling in BIM

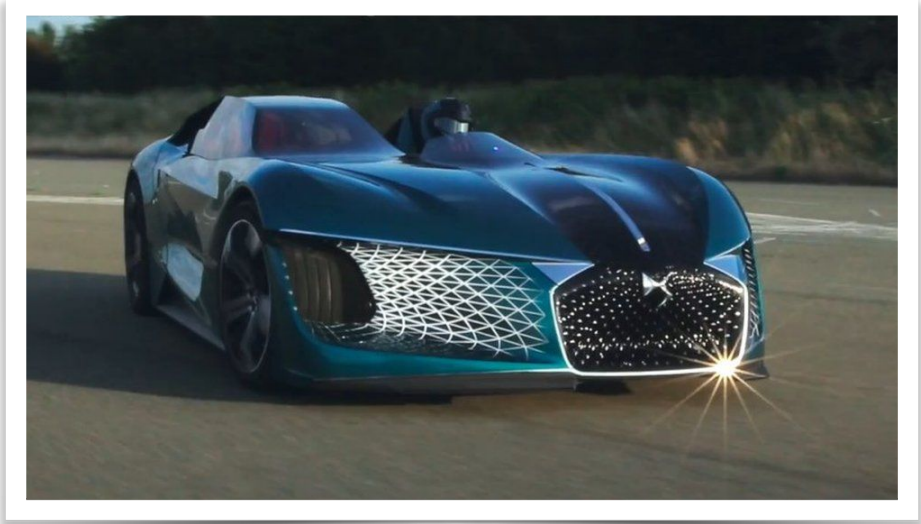
Matevž Dolenc

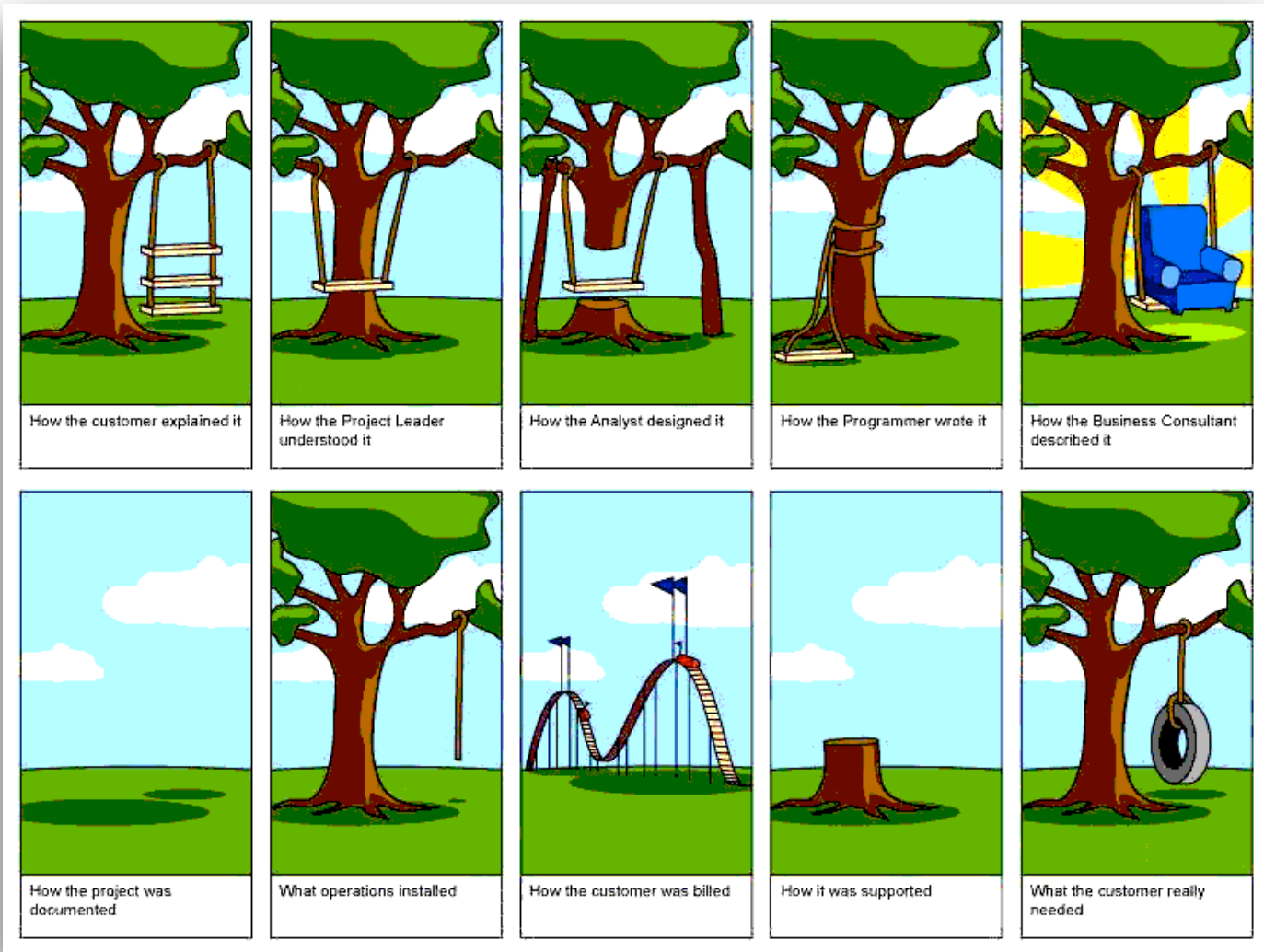
*Univerza v Ljubljani*

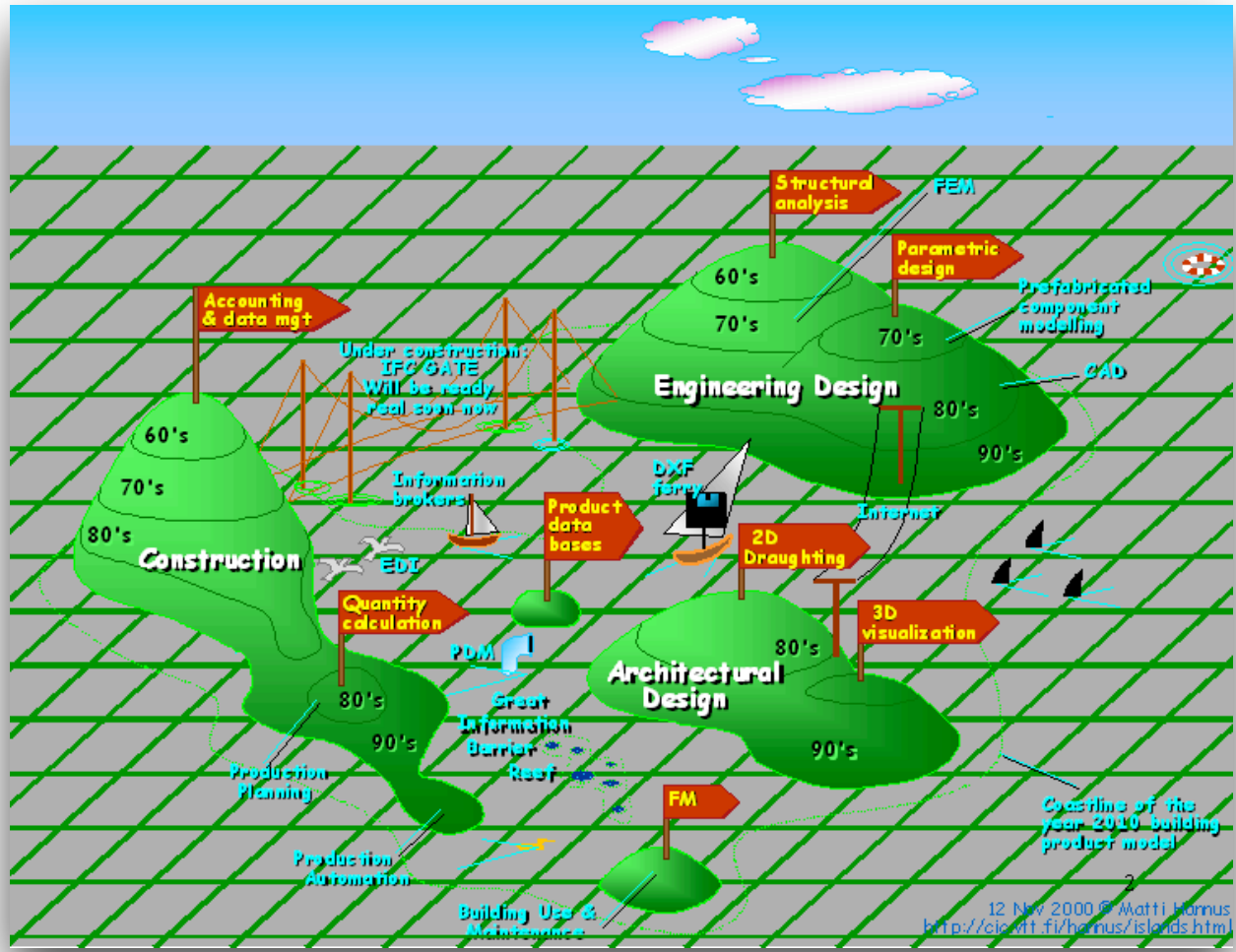


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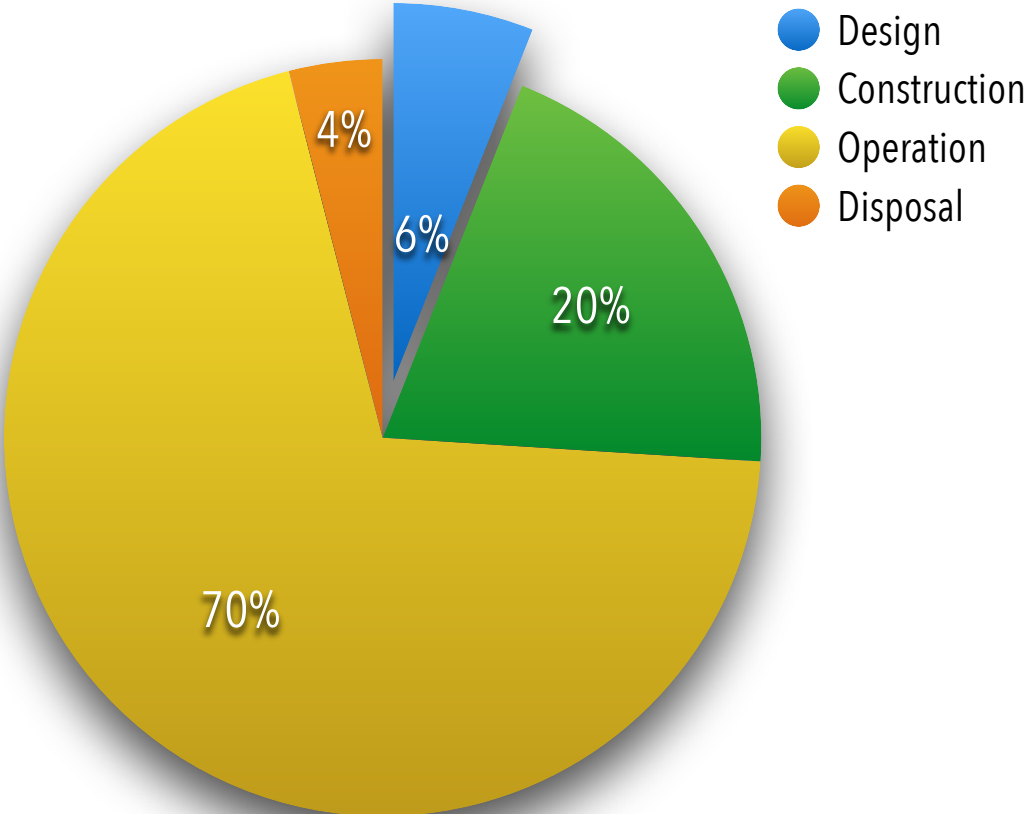
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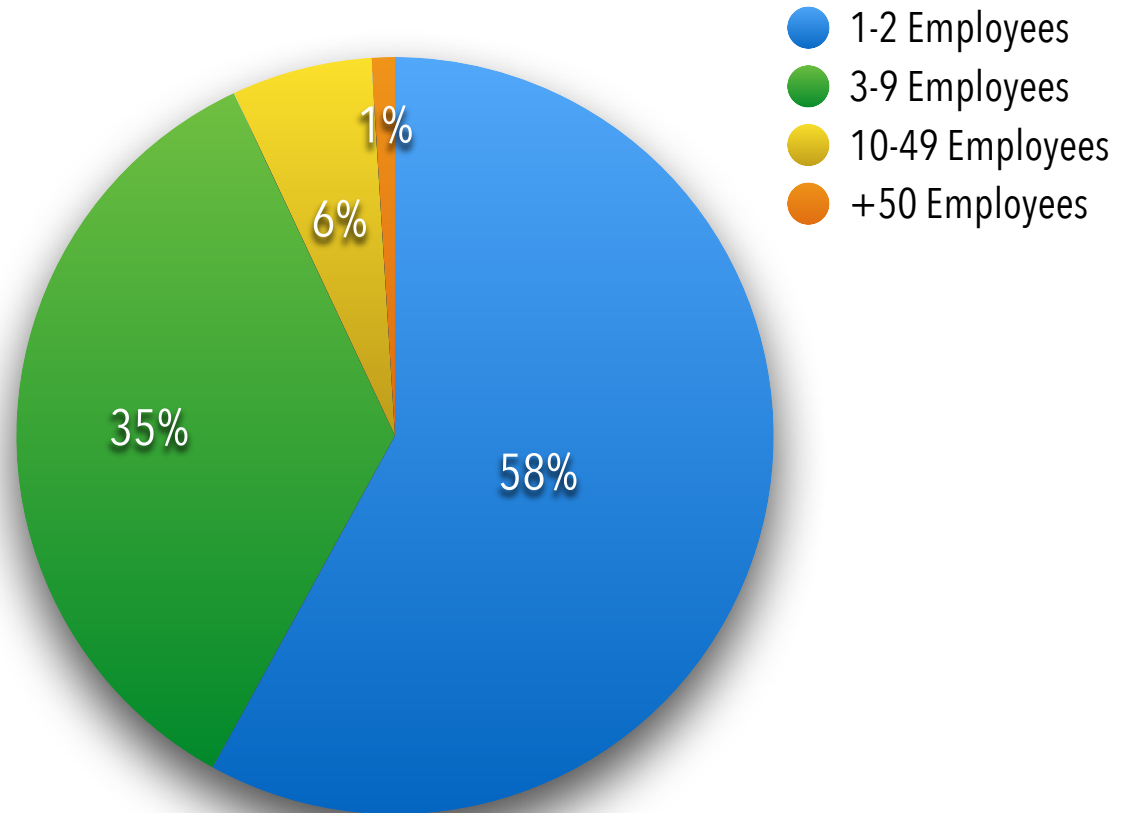




M. Hannus, H. Penttila, P. Silen, "Islands of Automation", (1987 - updated by Hannus, M. 2002), <http://cic.vtt.fi/hannus/islands.html>



*The Building Information Model: A Look at Graphisoft Virtual Building Concept, Cyon Research White Paper, January 2, 2003*



Pazlar, T., Dolenc, M. in Duhovnik, J. 2004. Rezultati raziskave prodAEC o rabi informacijskih tehnologij v arhitekturi, inženirstvu in gradbeništvu v Sloveniji. *Gradb. vestn.* 53, 9: 223–229.

# Managing ITC Infrastructure

No time

Limited knowledge

Constrained resources





## One-of-a-kind

products

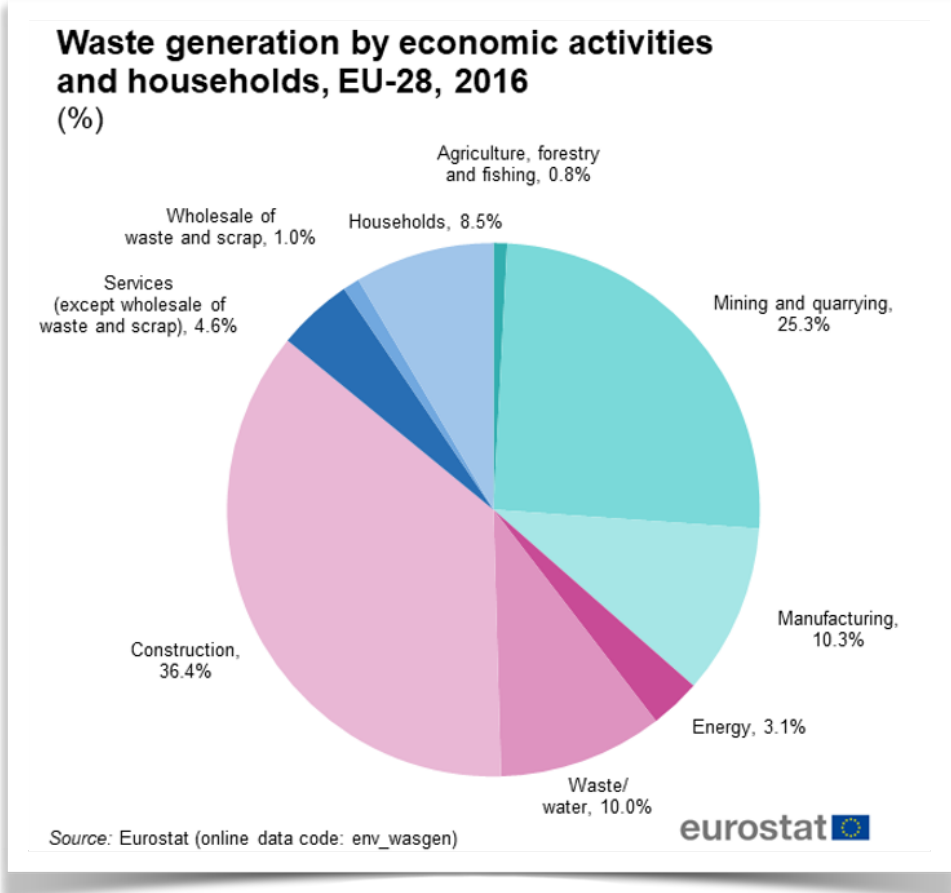
process

group of partners

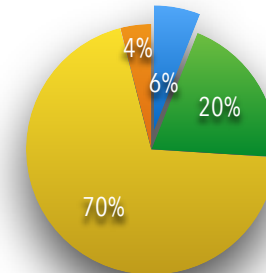
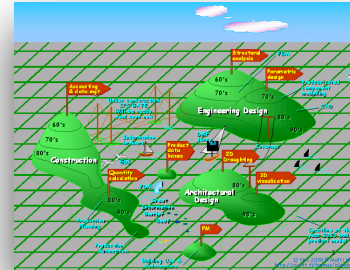
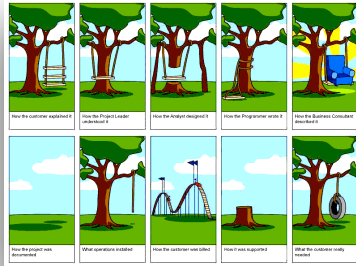




*The oldest dated house (built in 1528) in Ljubljana stands on the smallest city square, which developed from the former Ribja Street after the earthquake in 1895. <https://siol.net/trendi/potovanja/veste-katera-je-najstarejsa-datirana-hisa-v-ljubljani-486528>*



A diagnosis of construction and demolition waste generation and recovery practice in the European Union – Paola Villoria Sáez & Mohamed Osmani, 2019  
[https://repository.lboro.ac.uk/articles/journal\\_contribution/A\\_diagnosis\\_of\\_construction\\_and\\_demolition\\_waste\\_generation\\_and\\_recovery\\_practice\\_in\\_the\\_European\\_Union/9825446](https://repository.lboro.ac.uk/articles/journal_contribution/A_diagnosis_of_construction_and_demolition_waste_generation_and_recovery_practice_in_the_European_Union/9825446)



- Design
- Construction
- Operation
- Disposal

