



Fog and Cloud Computing 2025/26 - Autumn 2025 - UiO

How to Give a Talk

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“title”

The Elevator

“Authors Names and Affiliation”

Paulo Ferreira

UiO

“Event / Location / Date”

Jan. 1850

Albany, New York

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Motivation

- Would you like to go from 3 level building to a N levels building?
- Build huge building with many floors
- Make lots of money selling/renting flats



"present a scenario or a situation in which the audience is clearly interested on"

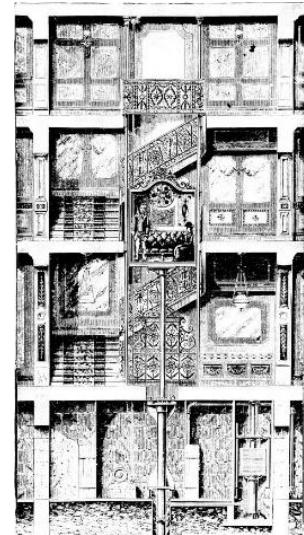
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Overall Goal / Objective

- Make a machine that allows to travel vertically
- We call it the elevator
- Requirements:
 - Cheap
 - Easy to manage
 - Safe
 - Robust
 - Available



"should derive directly from the motivation"

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Challenges / Difficulties / Problems

- Cables
- Efficient engine
- Big enough for people and luggage
- Comfortable (speed, acceleration)
- Safety when fail occurs

"correspond to the issues that the audience think about once they know the goal"



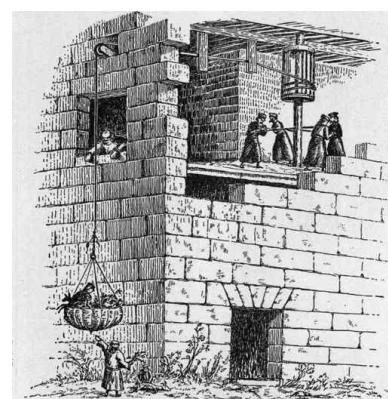
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Disadvantage of Other Solutions

- Elevator manually operated
- Not reliable
- Too small (just one person on each travel)
- Elevator with an engine but its too expensive



"the audience thinks:

*- ok, fine! let me go to the supermarket and by an elevator,
unless.... you convince them that there is no such thing, yet!"*

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Solution – The ELEVATOR !!!!

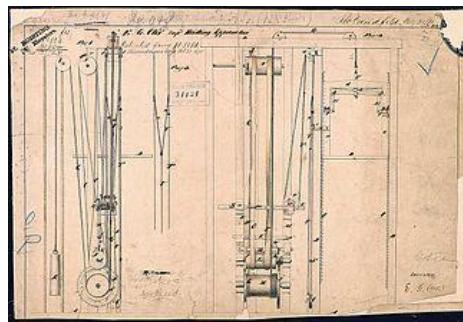
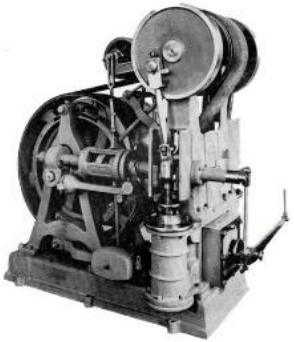
- Diesel engine (re-designed for 24/24 operation)
- Great steel cables (elastic, strong new material)
- Counterweight (optimized for each case)
- Safe mechanisms (novel safety brake)

- Characteristics:
 - safe
 - fast
 - cheap
 - etc...

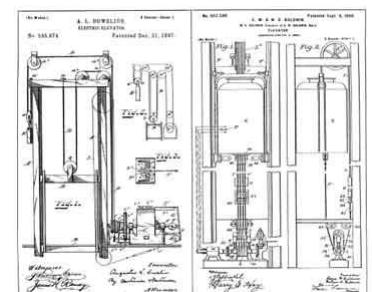
"explain, in just one slide, the core idea, i.e. the novelty!"



Architecture / Algorithm



"describe the system"





Implementation



"describe the prototype ! show the audience that it is feasible"

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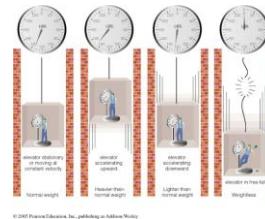
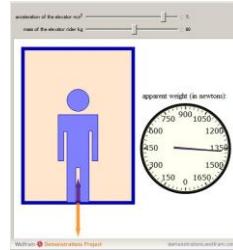
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Evaluation

- Experiments done
- Results obtained:
 - Tables
 - Graphs



"show the audience that your solution respects the requirements"

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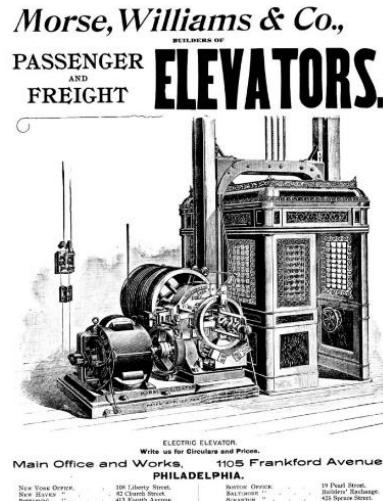




Conclusion

- Elevator is great
 - Cheap
 - Easy to manage
 - Safe
 - Robust
 - Available
- Allows you to make taller buildings, with more flats to sell/rent
- Make more money

"recap the most relevant issues"



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Questions & Answers

more info: www.TheBestElevatorYouCanBuy.com

"leave here your contact"

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