

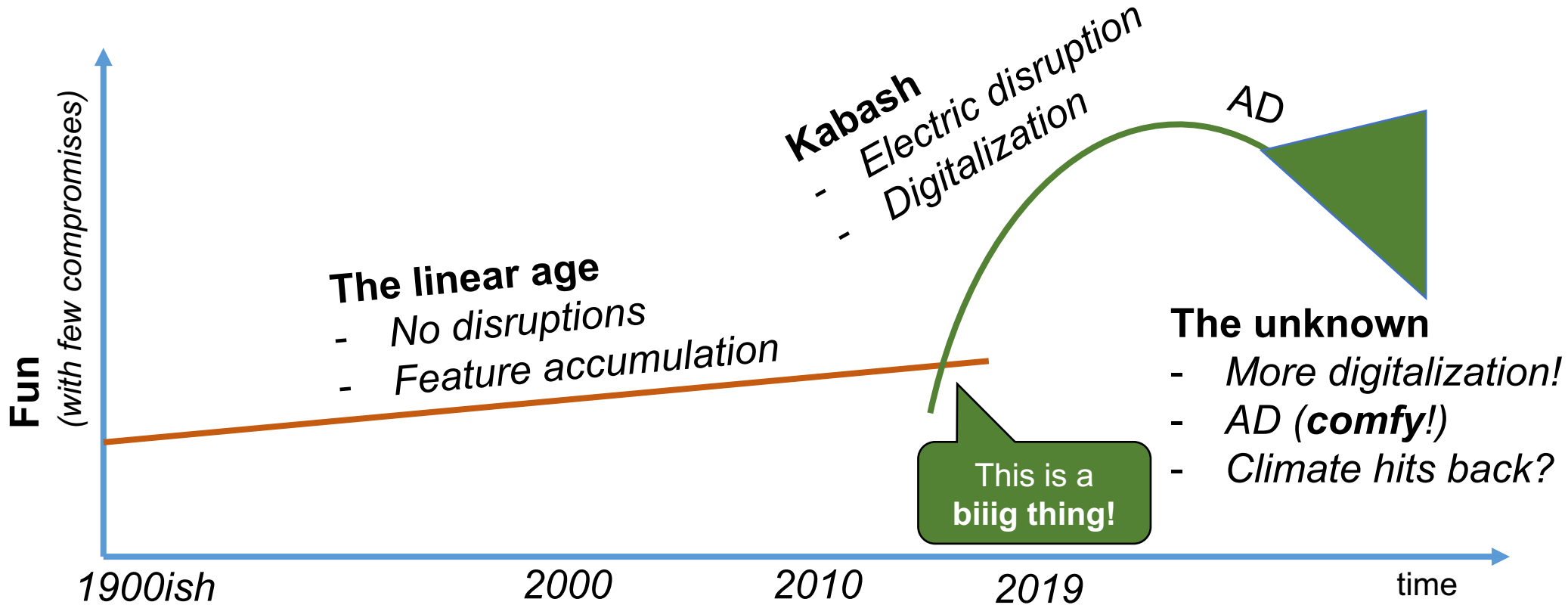
VOLVO

# VOLVO CARS | SW CENTER



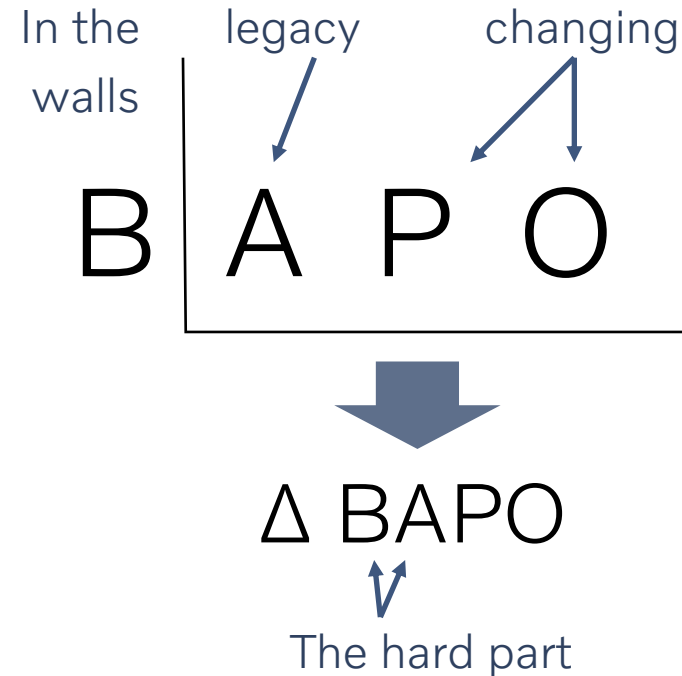
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# Peak Fun To Drive is now!?



## Product consequences...

- Very different from business to business!
- Yes, similarities, but copying is generally not a good option
- A modern car is not a truck, not a base station, not a smart phone (*but not too far from the smart phone*)
- **Volume** (private customers)
- **Platform** (mech-tech-cloud)
- **Speed** (disruptive business)



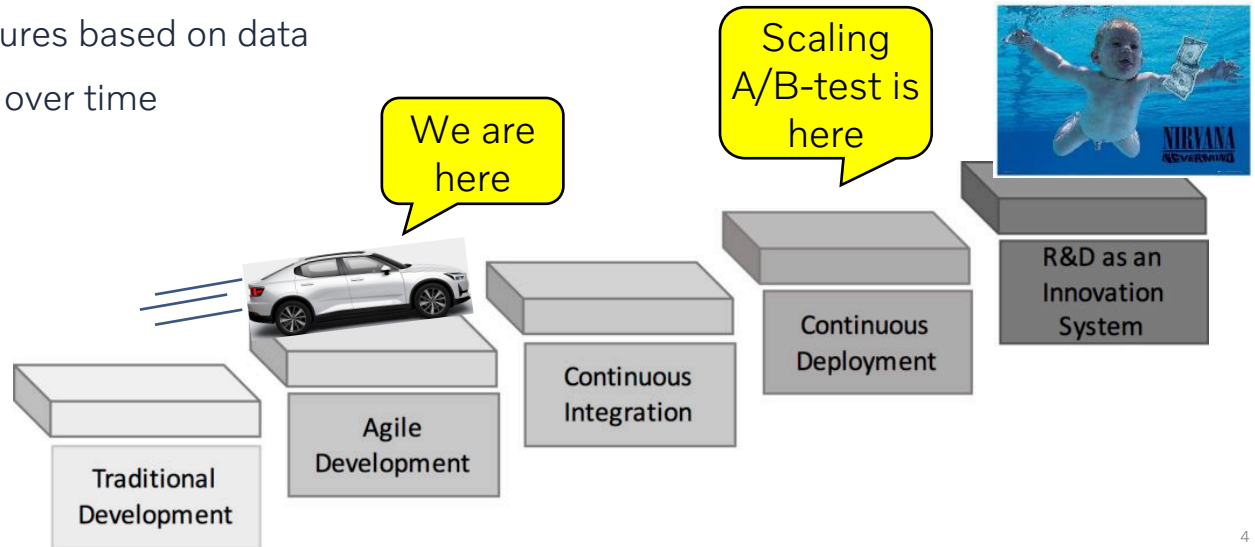
# ... and **WHAM** we change our whole WoW and R&D!?

Experimental methods comes with the agile transformation  
and the Continuous Integration...

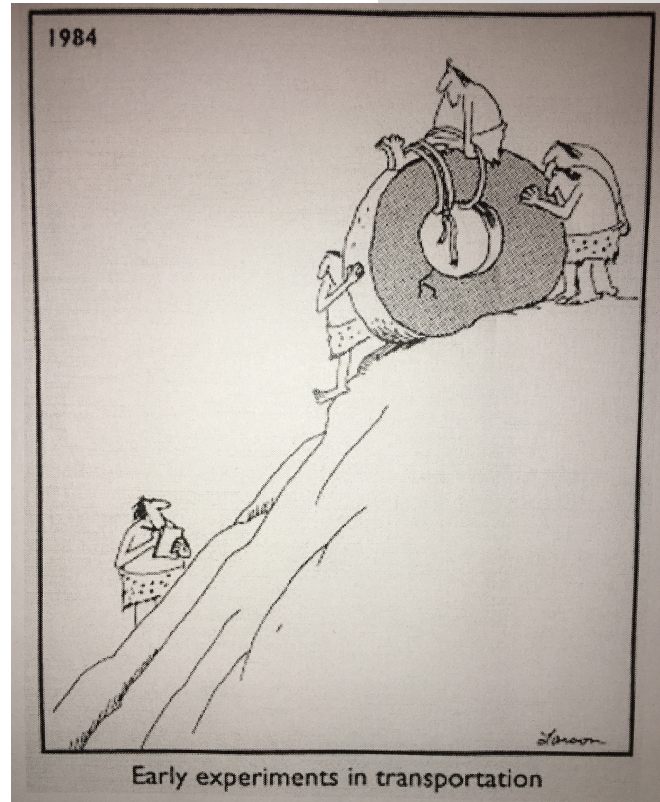
- Continuous Development (**XC60** → **NEW XC60**, *continuously* tested)
- No more “platform variants” than we can test in complete CI (<100)
- Accountable teams improving their features based on data
- Safety critical software being improved over time
- *Everyday my car experience is better*



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# Experimentation...



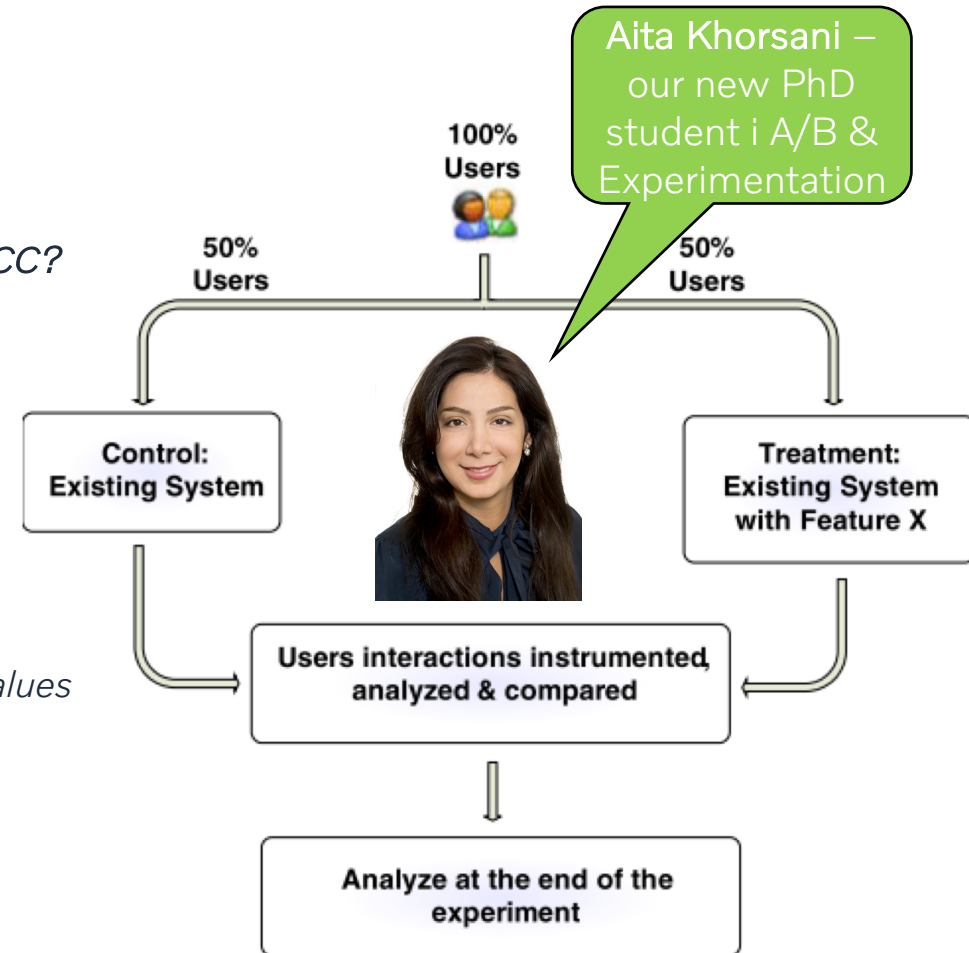


# The A/B test Pilots – how to solve it!

*How can we scientifically validate the A/B testing concept at VCC?*

Follow the simple model:

1. Create a functional environment, team and ECU
2. Test the tech carefully (WICE, bootloader, software, methods, ...) on cars at VCC. Gain confidence!
3. ~~Randomly~~ select a few “test” company cars
4. Launch some minimal A/B-tests, measuring several *key values*
5. Analyze and repeat! Learn!! - - - > DevOps



Kohavi, Ron, et al. "Controlled experiments on the web: survey and practical guide." *Data mining and knowledge discovery* 18.1 (2009)

## Start with the low hanging fruit...

- How many consider my feature when buying a new car?
- How many customers use my feature every day?
- Is anyone using my function at all?

Do you know the answers?

### Methods to find it out:

- Customer interviews ☒
- UX studies ☒
- **Direct feature data collection** [*what actually happened there, in the customer's car??*]





Thanks

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