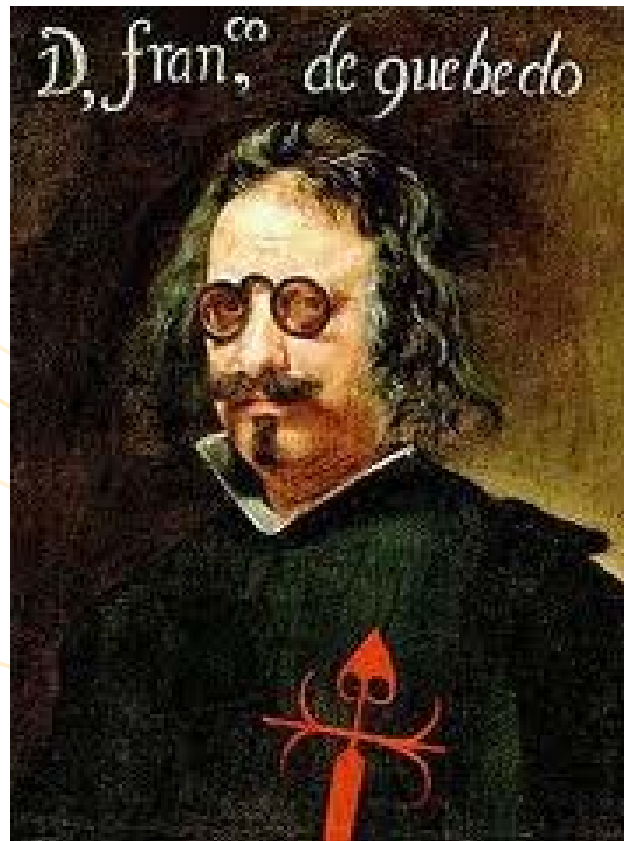


Introducing modularity in order to improve quality and efficiency

Some ideas

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Francisco de Quevedo (1580-1645)



*Nunca mejora su estado
quien muda solamente de
lugar y no de vida y de
costumbres.*

He who only moves around
instead of changing
customs and habits never
improves his condition.

Contents

- Present ideas on **modularity**
- Modularity is essential for
 - review of the LFS
 - modernisation of social statistics
- Address the following questions:
 1. What could modularity be?
 2. What are the advantages?
 3. Required adaptations to LFS

What is modularity?





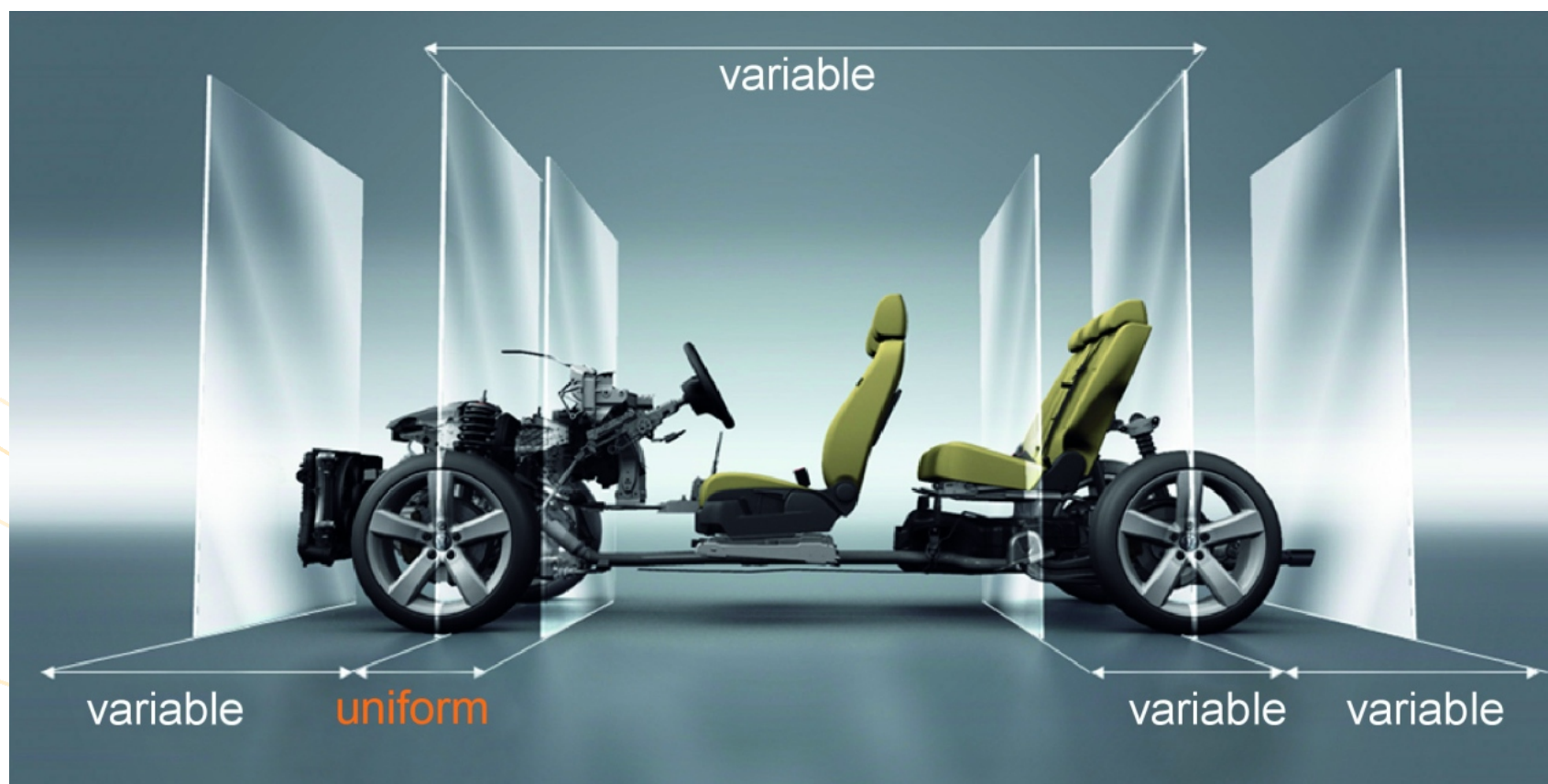
The beginning of a new era: **Volkswagen** introduces the **Modular Transverse Matrix**



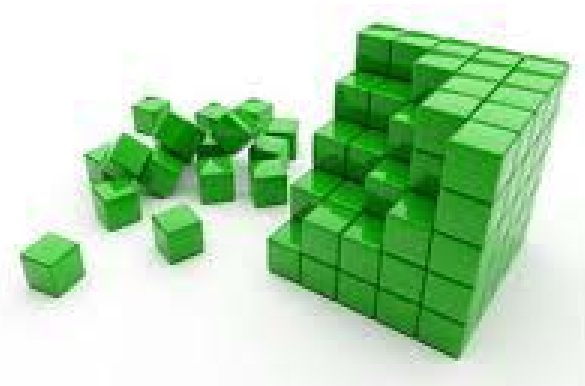
This year, the Volkswagen Group will be introducing the Modular Transverse Matrix – the German acronym is MQB (Modularer Querbaukasten) – for the Volkswagen, Audi, ŠKODA and SEAT brands.

The MQB strategy represents a turning point in the design and production of future automobiles. It standardises vehicle component parameters across brands and vehicle classes. At the same time, it offers access to new technologies.

<http://www.volkswagen.co.uk/volkswagen-world/news/384>



What is modularity?



Modularity is

1. Decomposing complicated systems into more or less independent parts (modules) with a clear structure
2. Treating and using modules as separate units

Properties of modules

Modules generally are:

- Domain specific
- Autonomous
- Hierarchical



What is a module for social statistics?

For social statistics a module is a set of variables that is

- Homogenous of content
- Measuring a topic comprehensively
- Minimal dependency on other modules



LFS AHMs are no real modules!

Definition of a module



Per module the following aspects have to be specified:

1. Objective
2. Target group
3. Set of variables
4. Frequency and data collection period
5. Quality (including sample size)

Advantages of using modularity

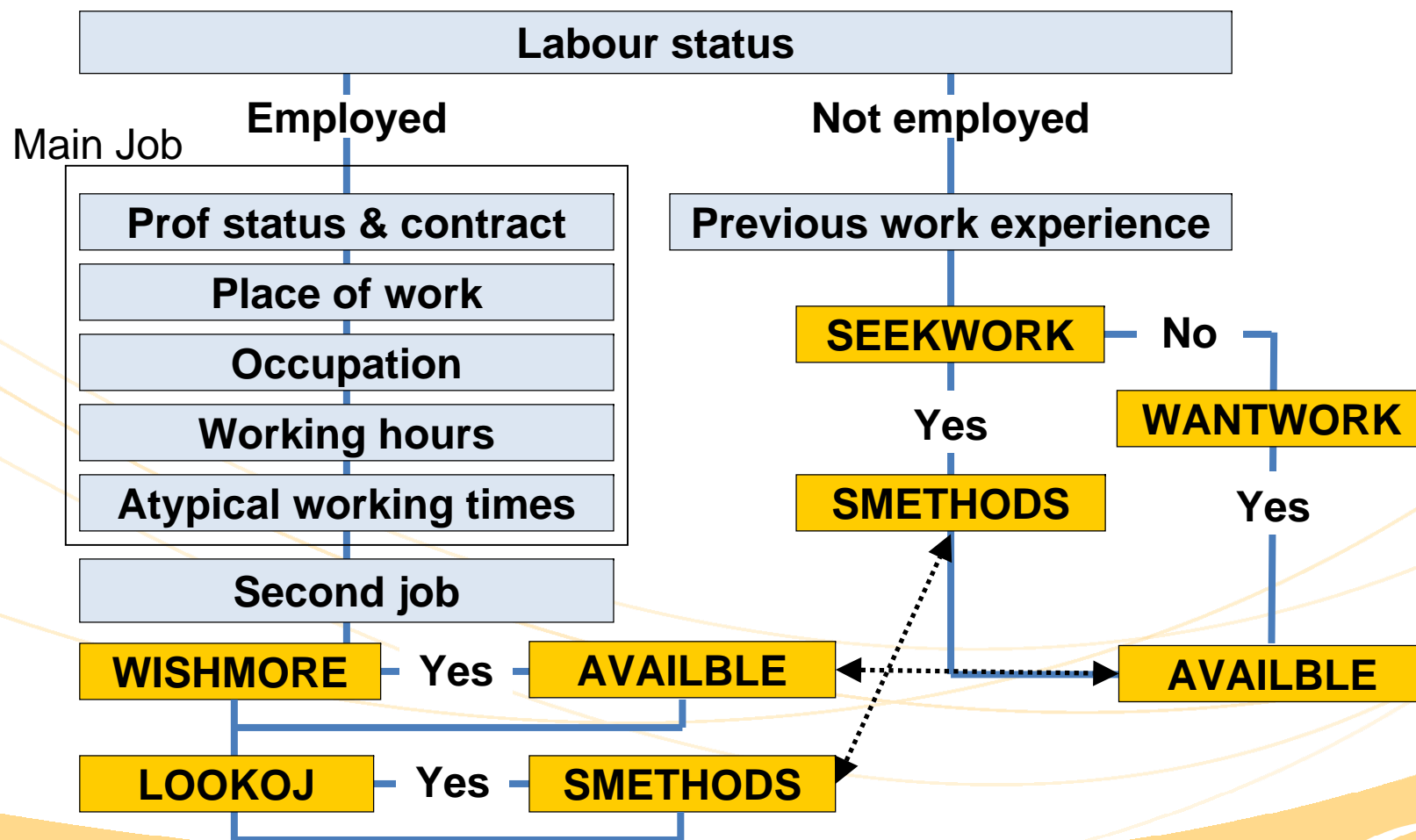


- Provides a clear structure to a complicated system
- Design and maintain statistical process per module
- Better tailor input organisation to output needs
- Modules can be used as building blocks to design data collections

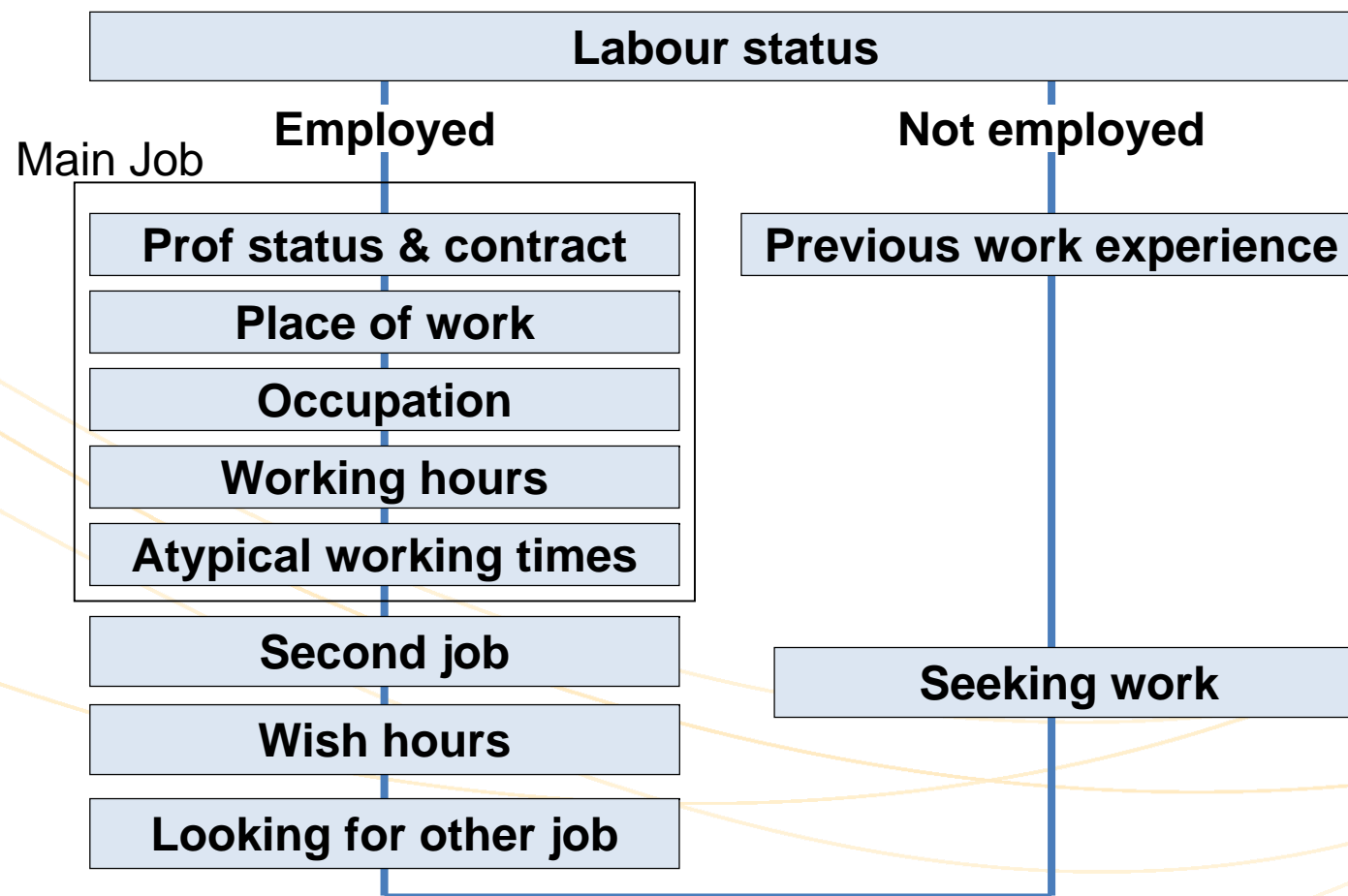
Modularising the LFS



Flow chart labour market variables LFS



Flow chart labour market modules LFS



Conclusions



Low costs

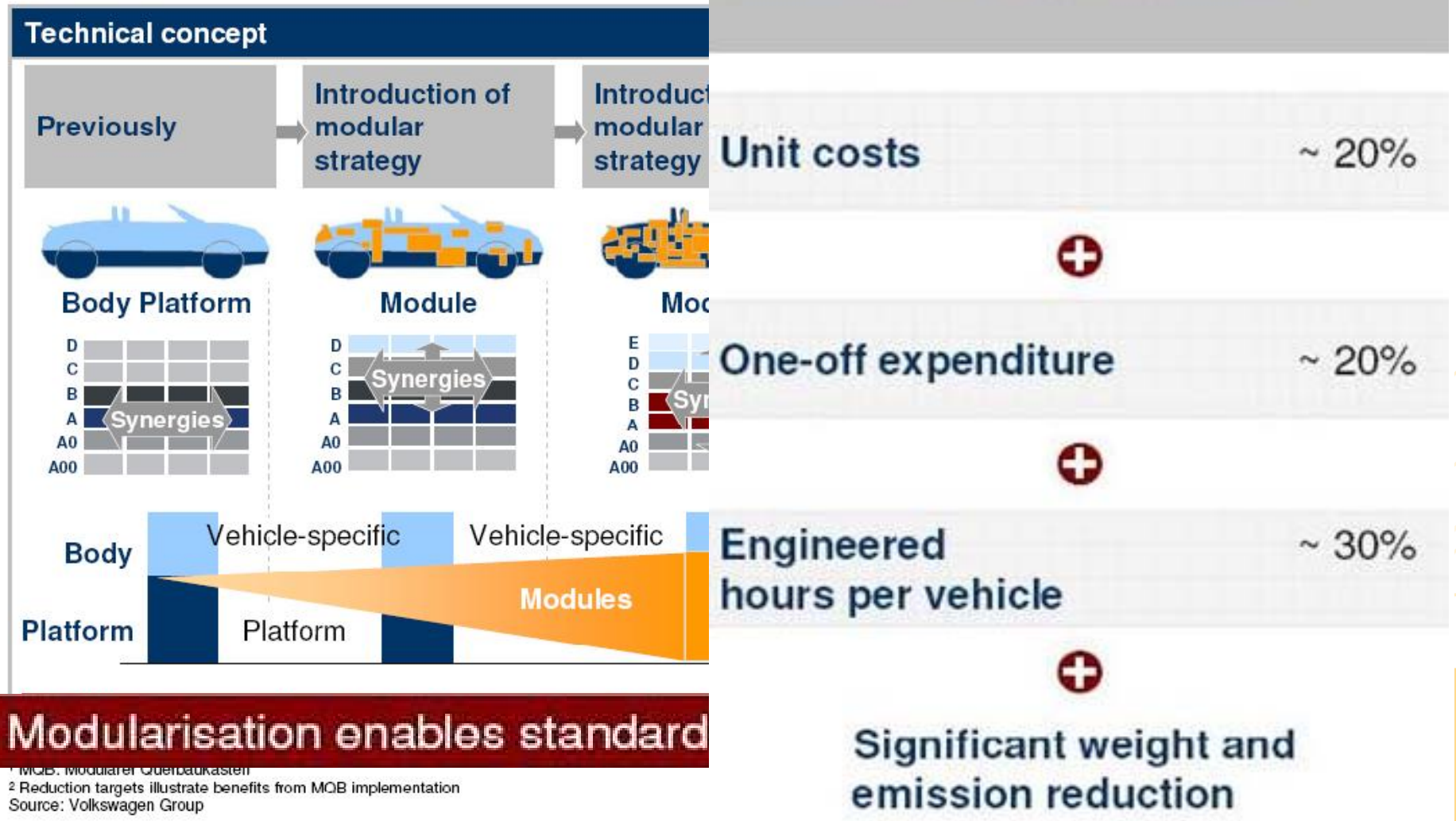
- LFS can be modularised easily

High (potential) gains

- Clearer structure
- Maintenance per module
- Potential for more effective data collection
(Wave approach, follow up data collection)
- Modules can be used for other data collections



2 Significant Competitive Advantages From Modular Toolkit Strategy



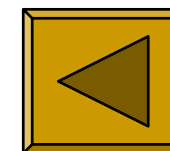
LFS 2.0

LFS

Thank you



for your attention!



Statistical process

Currently
per survey

Future per
module

