

## Benefits of Digital Substations

SC B5

PS3 - Integration of intelligence on substations  
(Joint PS with B3)

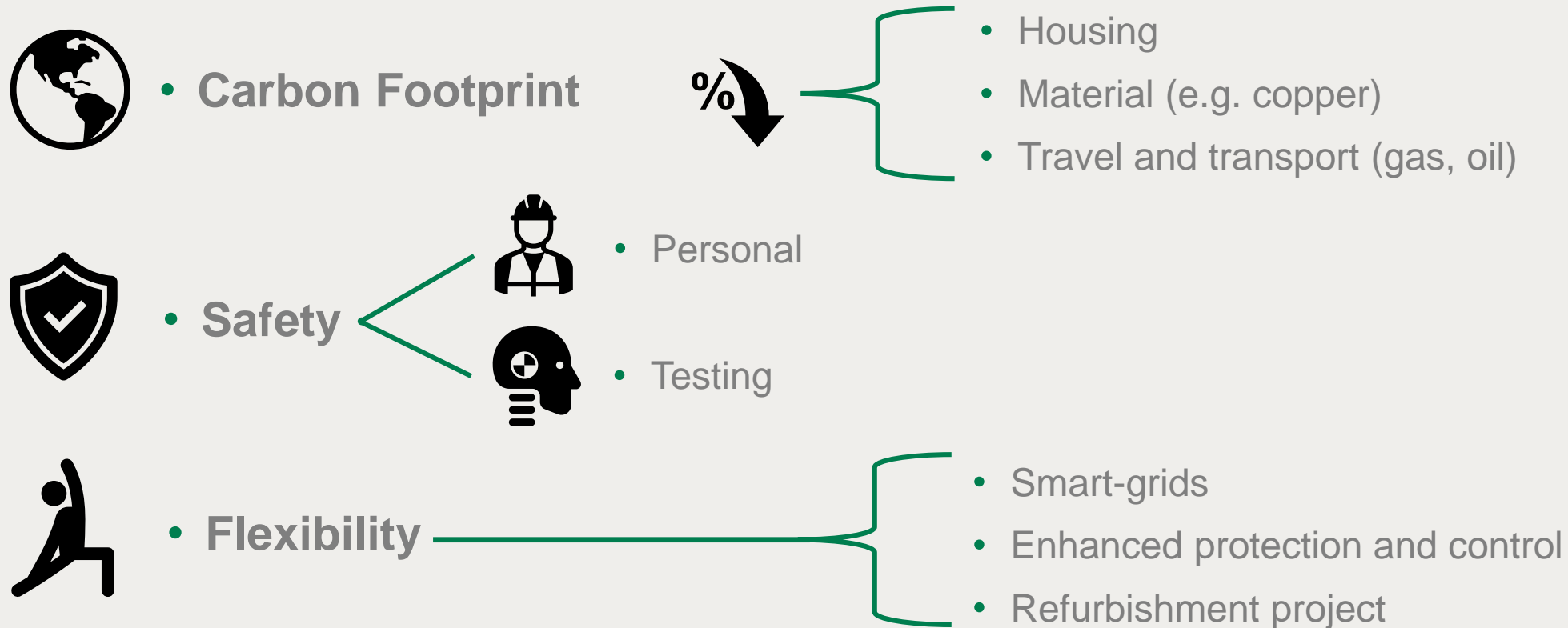
Q3.05 What are your expected benefits of using digital substation concepts and how to  
measure if the benefits can be realized?

Birkir Heimisson - Iceland

LANDSNET

# Benefits of Digital Substations (Q3.05)

Multi Vendor Fully Digital Substation at a Large Scale



Group Discussion Meeting

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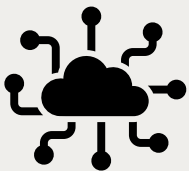
- **Utilities Own Specifications**

- Design
- Implementation
- Configuration



- **Time**

- Faster building and refurbishment of substations
- Testing and commissioning
- Remote maintenance and testing



- **Reliability**

- Completely redundant protection and control systems
- Functions rather than devices
- Outageless maintenance
- Asset monitoring

Group Discussion Meeting