

# CONTROL ORGANIZATION RESEARCH ENVIRONMENT



**TNO** innovation  
for life

To support our customers with their innovation initiatives, to facilitate research in this area, and to improve the demonstration of our concepts, we created an innovative research environment, called **CORE (Control Organization Research Environment)**, consisting of the following elements:

- Agile team work: depending on operational demands, team member are supported to work individually but can change very easily to work as pairs and as trinity.
- The environment easily allows shifts in levels of automation, through excessive information representation spaces; concepts for innovative information interaction are among the research goals.
- Different organizations of work and associated relational structures are easily tried out: close management relations, close support relations, close multi-team relations, etc.
- Distributed work: the elements of the team environment themselves are mobile and a distributed set up is easily created; in addition, individuals have large wearable facilities at their disposal to enable roving operations.
- Ultra-resolution information representation facilities enable research on big data control.
- Extensive scenario simulation facilities.
- Suite of Human Performance Measurements instruments.
- Extensive spatial design facilities, such as 3D stereoscopic Virtual Environment (a.o., Oculus Rift), and physical wooden mockup spaces.

**CORE** is explicitly set up to enhance multi-disciplinary research, not only within various TNO research departments, but also with other joint initiatives, such as in the context of AEOLUS. Also, industrial partners are very much invited.

**CORE** business: all control organizations: naval, air and land command and control, maritime sea and shore based, traffic management, smart grid control, emergency dispatch centers, cyber ops, etc.

Information:

Dr. Wilfried Post

TNO

T +31 (0)88 866 58 85

M +31 (0)62 239 43 27

E wilfried.post@tno.nl