

MISSION

TNO connects people and knowledge to create innovations that boost the competitive strength of industry and the wellbeing of society in a sustainable way.

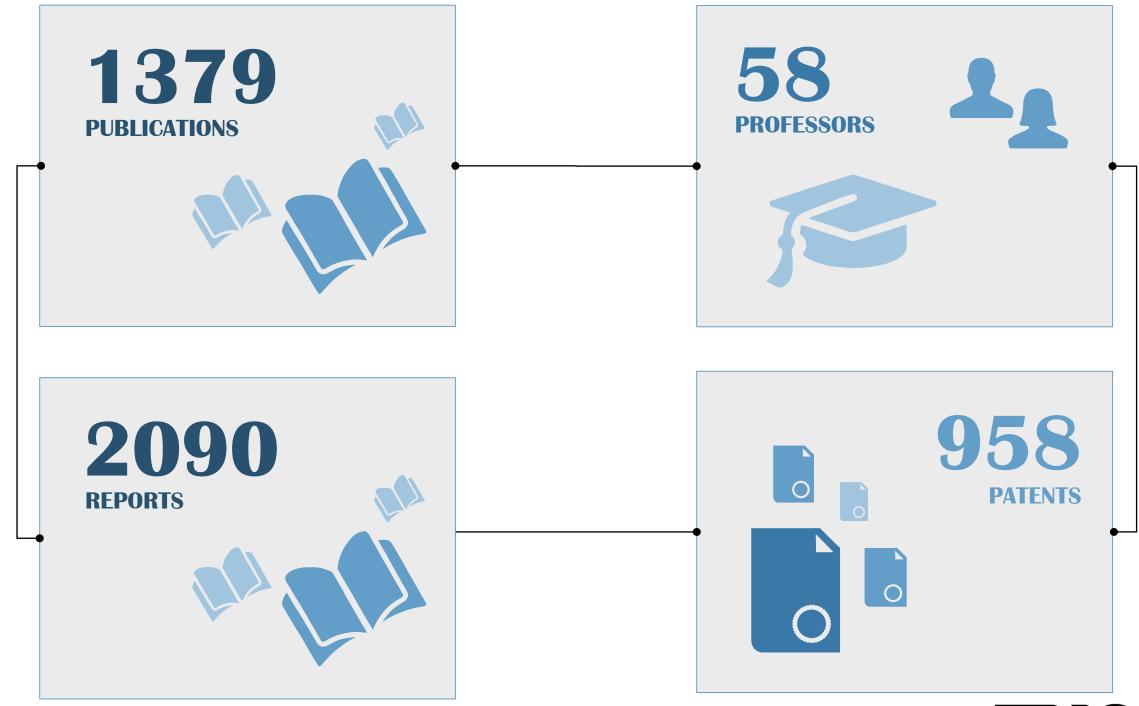
This is our mission and the professionals of TNO have used their knowledge and experience to this end for more than eighty years.

'INNOVATION FOR LIFE'



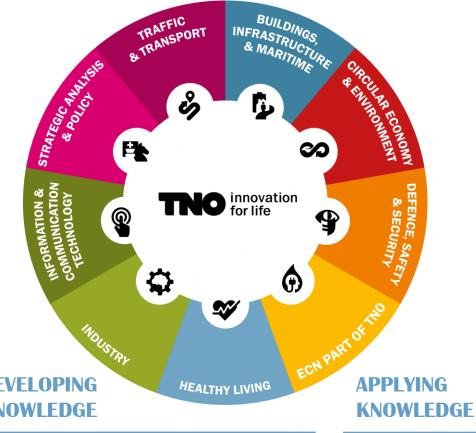


> SCIENTIFIC PROFILE





INNOVATION PROCESS



MOU signed with CNI-SESI-IEL-SENAI

DEVELOPING FUNDAMENTAL KNOWLEDGE

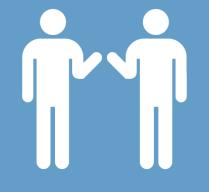
DEVELOPING
KNOWLEDGE

HEALTHY LIVING
KNOWLED

TRANSFERRING KNOWLEDGE



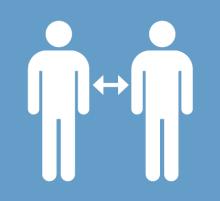
Together with universities



In public-private collaboration with partners from the golden triangle



Contract research for and with customers



Exploiting knowledge through spin-offs, licences, etc together with other companies



INNOVATION FOR THE NEXT YEARS





SIX KEY ISSUES DEFENCE & SECURITY

PRIORITIES FOR THE COMING YEARS

- Information as a target and a weapon & information-intensive operations.
- Unmanned and autonomous systems & human-machine teaming.
- People and mindset in the armed forces and other security providers.
- Modern fighting ability, escalation dominance
 & protection.
- Resilience in the face of major societal disruption.
- Opportunities and threats from new technology.

STRATEGIC PLAN 2018-2021

NINE PRIORITIES ORGANIZATION AND MANAGEMENT

INCREASE IMPACT

CONTINIUOUS DEVELOPMENT

FOCUS & MASS

INTENSIFIED CO-OPERATION

INTERNATIO-NALIZATION STRONGER TECHNOLOGY TRANSFER

HOME FOR TALENT

WORLD-CLASS RESEARCH FACILITIES

ORGANIZATION & CULTURE: FLEXIBLE & MARKET-DRIVEN

KEY PRIORITIES IN ORGANISATION & MANAGEMENT (HOW)

KEY ISSUES IN DEFENCE & SECURITY (WHAT)



DEFENCE, SAFETY & SECURITY



REAL TIME INTELLIGENCE IMPROVES POLICE ACTIONS



DEFENCE, SAFETY & SECURITY



REAL TIME INTELLIGENCE IMPROVES POLICE ACTIONS



CHALLENGE

 Using RTI to bring together the relevant information so that the right actions can be taken quickly

APPROACH

- Employ expertise on ICT,
 modelling, artificial intelligence and
 human behaviour
- Use the 'RTI Lab' to test hardware, software, methods, models, approaches and combinations of these

RESULT

- Experiments provide insight into applicability
- Predict crime: RTI enables the police to quickly make the right decisions and act effectively in a wide range of situations





DEFENCE, SAFETY & SECURITY



HIGHTECH PROTECTION AGAINST INCOMING MISSILES

CHALLENGE

 The spread of rocket technology is useful for space programmes but at the same time can be a threat that requires effective defence

APPROACH

- Develop JROADS simulation for Defence to test own air defence systems
- Link the systems of NATO partners and test whether the network of systems performs as a whole

RESULT

- JROADS is just as effective as expensive live exercises that are difficult to carry out
- We are currently testing the systems of the new F35 jet fighter



