



FERROSH

OSH in the Turkish metal sector

Jan Michiel Meeuwsen



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FERROSH

TNO innovation
for life

TNO



INNOVATION





The power of TNO

From idea to innovation

DEVELOPING FUNDAMENTAL KNOWLEDGE



With universities

KNOWLEDGE DEVELOPMENT



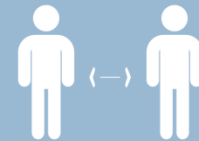
With partners in
the golden triangle

KNOWLEDGE APPLICATION



Contract research
for and with customers

KNOWLEDGE EXPLOITATION



Embedding in the market
(with TNO companies)



Themes and innovation areas

OUR THEMES

HEALTHY LIVING
INDUSTRIAL INNOVATION
DEFENCE, SAFETY & SECURITY
ENERGY
TRANSPORT & MOBILITY
BUILT ENVIRONMENT
INFORMATION SOCIETY

OUR INNOVATION AREAS

HEALTHY FOR LIFE
FOOD AND NUTRITION
WORK AND EMPLOYMENT
BIOMEDICAL INNOVATIONS

HIGH TECH SYSTEMS AND MATERIALS
SUSTAINABLE CHEMICAL INDUSTRY
SPACE

DEFENCE RESEARCH
SAFETY AND SECURITY RESEARCH

OIL AND GAS
ENERGY EFFICIENCY
GEOLOGICAL SURVEY OF THE NETHERLANDS
MARITIME AND OFFSHORE

RELIABLE MOBILITY SYSTEMS
SAFE AND CLEAN TRANSPORT

URBAN DEVELOPMENT
BUILDING AND INFRASTRUCTURE

INFOSTRUCTURES
INFRASTRUCTURES





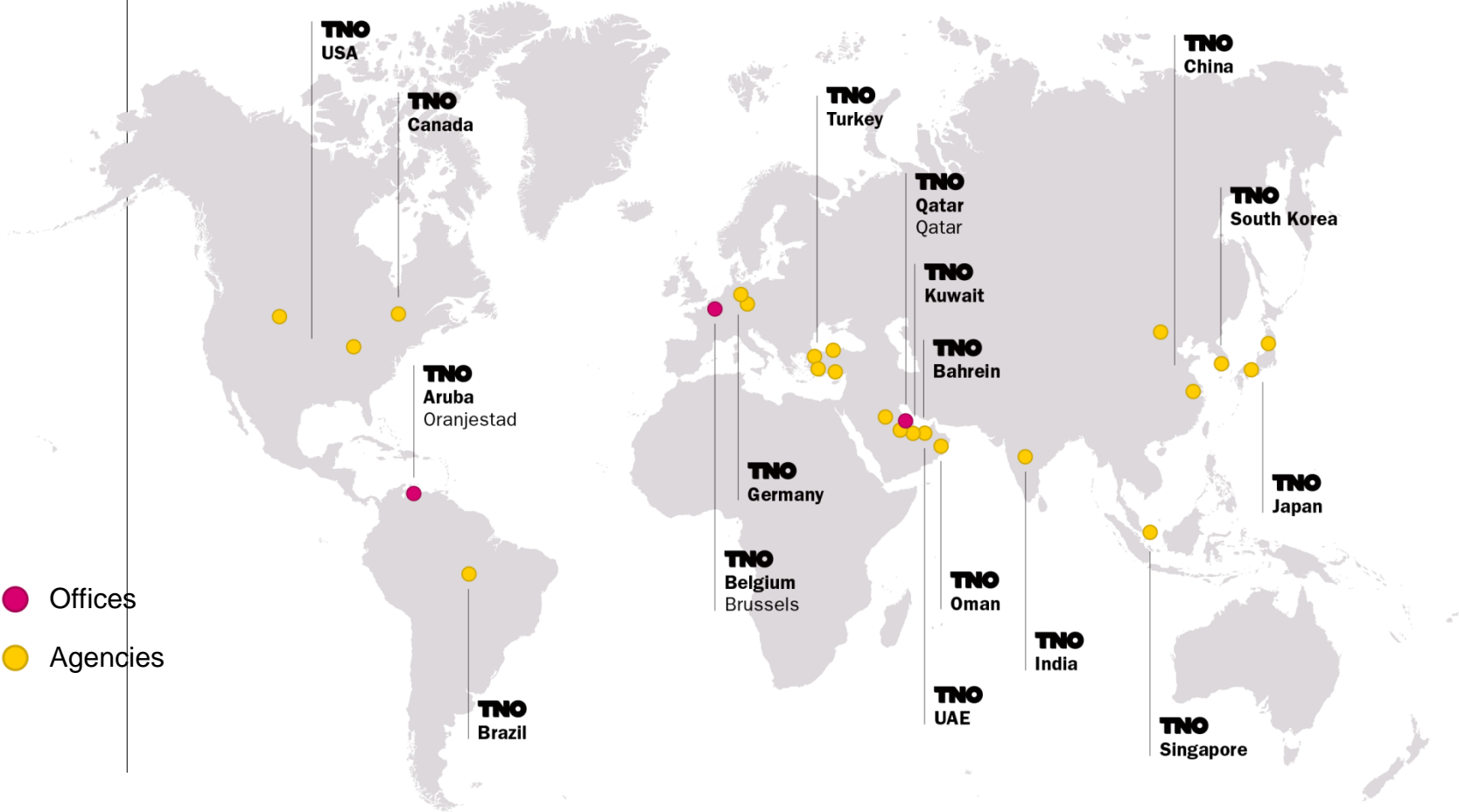
Summary

- › TNO is an organization of 3,800 professionals
- › with depth and breadth of knowledge, multidisciplinary
- › focused on smart solutions to complex issues
- › with the aim of sustainably strengthening the competitiveness of enterprises and the well-being of our society
- › together with partners: companies, organizations at home and abroad, and SMEs
- › and with a remit for the Ministries of Defence and Social Affairs and Employment

National offices



international offices / agencies

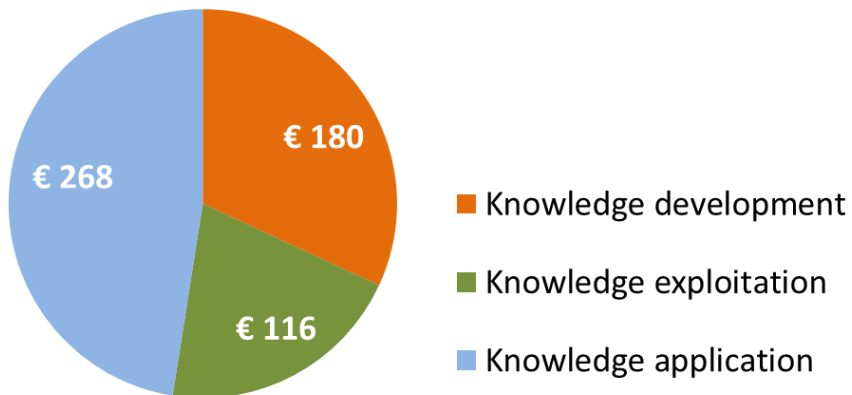




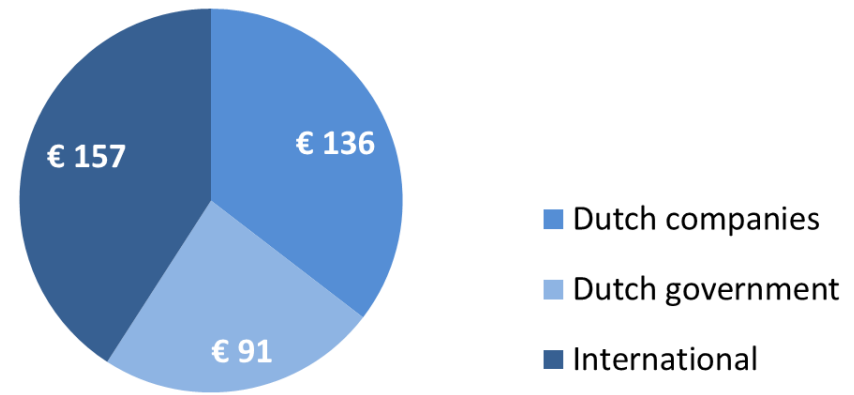
TNO IN NUMBERS 2013

- › Number of employees (effective average) 3.276
- › Consolidated turnover € 564 million

Consolidated turnover (million)



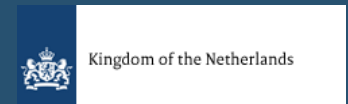
Consolidated market turnover (million)





Facilitating Effective and Reliable Resources for Occupational Safety and Health in the Turkish metal sector

Funded by the Netherlands embassy, Ankara, Turkey





Project partners

- › Turkish Employers' Association of Metal Industries (MESS-Türkiye Metal Sanayicileri Sendikası)
- › Turkish Metal Workers' Union (Türk Metal Sendikası)
- › Public Health Institution of Turkey (THSK)
- › TNO Innovation for Life, the Netherlands





Current situation

- › June 2012 new OSH Act Nr. 6331 passed through parliament
- › all workplaces and sectors - regardless number of workers - now fully covered and required to arrange, either internal or external, OSH expert support
- › need of employers and workers to receive assistance and expert support in assessing and improving their working conditions and to learn what their new obligations and rights are according to the new OSH Act
- › huge capacity problem arises because of lack of occupational physicians and safety experts
- › huge lack of awareness regarding the Acts provisions and consequences



A solution is at hand

- › Community health centres can provide OSH services to enterprises
- › workers and employers must become aware of the new occupational health service provision of Community Health Centres and how to implement this best in their enterprises
- › This requires close collaboration between Community Health Centres and industry
- › And ... it requires multidisciplinary collaboration between occupational physicians and safety engineers



Project in brief

- › a train-the-trainer seminar organised by TNO to transfer Dutch and international approved knowledge on best practices in Metal sector to 10 selected trainers
- › 5 field trainings of 5 days each for mixed groups (max. 30 participants)
- › Field trainings are in Istanbul, Bursa, Ankara, Kocaeli and Izmir



Aims of the project

- › raise awareness on preventive OSH company policies, risk assessment, OSH risks amongst social partners in the metal sector in Turkey and health professionals within the Community Health Centres
- › to develop and implement 5 field trainings of 5 days each for Community Health Centres service providers, workers representatives and employers in the metal sector
- › agreement on sustainable collaboration between metal industries and Community Health Centres
- › disseminate this practice to the use of other sectors in Turkey



Outcomes

- › 150 trained professionals
- › 10 trained trainers who can replicate this approach
- › A concise manual on occupational risks/diseases in metal sector
- › Letter of intent between the Turkish metal sector and THSK on sustainable collaboration



Target groups

- › workers and employers representatives from the Turkish metal sector;
- › health service providers from Community Health Centres e.g. general practitioners, nurses, or other health staff





Expectations of FERROSH to its participants

- › Multidisciplinary work between occupational health specialists and safety experts
- › Sharing experiences
- › Teaching and coaching one another
- › Trying to find the best solution for our clients/workers





Train-the-trainer Istanbul, January 2014





Results so far

- › All materials available in English and Turkish in an intelligent document with hyperlinks and available for web upload
- › Multi disciplinary approach works remarkably well
- › 3 field trainings realised
- › LinkedIn FERROSH group established
- › Website under construction





Teşekkür ederim

