



Welcome to VDL ETG





# VDL Groep



- Established in 19 countries
- > 90 operating companies
- > 16,000 employees, privately owned
- Turnover > €5 billion (2017)

## Sub contracting

- mechatronic systems
- module assembly
- part and sheet metal
- surface treatments
- plastic processing
- other specialties

**VDL** *Enabling Technologies Group*



## Bus group

- touring cars
- public transport bus
- mini and midi busses
- chassis modules
- second hand trade

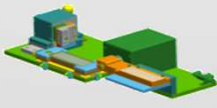
## Finished products

- medical equipment
- process installations
- consumer products
- production automation
- various products
- packaging equipment



## Car assembly

- MINI
  - Hatchback
  - Cabrio
  - Countryman
- BMW
  - X1



## VDL Enabling Technologies Group (ETG): high-end contract manufacturing



1900 Philips Machine Fabrieken



1980 Also Non-Philips Customers



1990 Integrated Systems



2000 New name: Philips Enabling Technologies Group



2006 ETG part of VDL Group

# VDL ETG GROUP

Facts and figures

**8 COMPANIES**



**REVENUE**  
**>€600** MILLION



SPREAD ACROSS  
**3 CONTINENTS**



**2500 EMPLOYEES**



**50% EXPORT**



COMPANY ACTIVITIES  
DIVIDED AMONG **6 MARKETS**



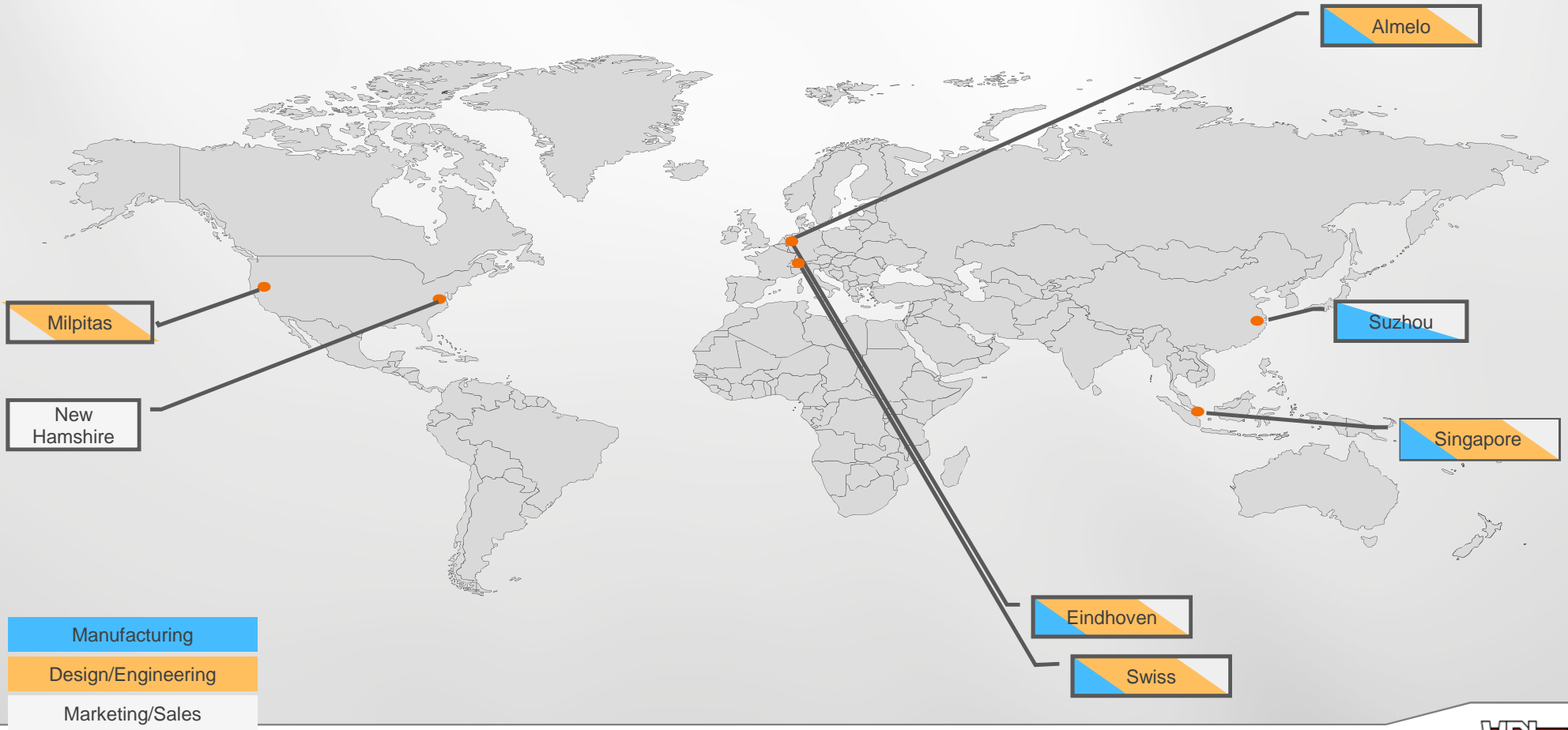
**STRONG** BALANCE SHEET POSITION  
SOLVENCY **54%**



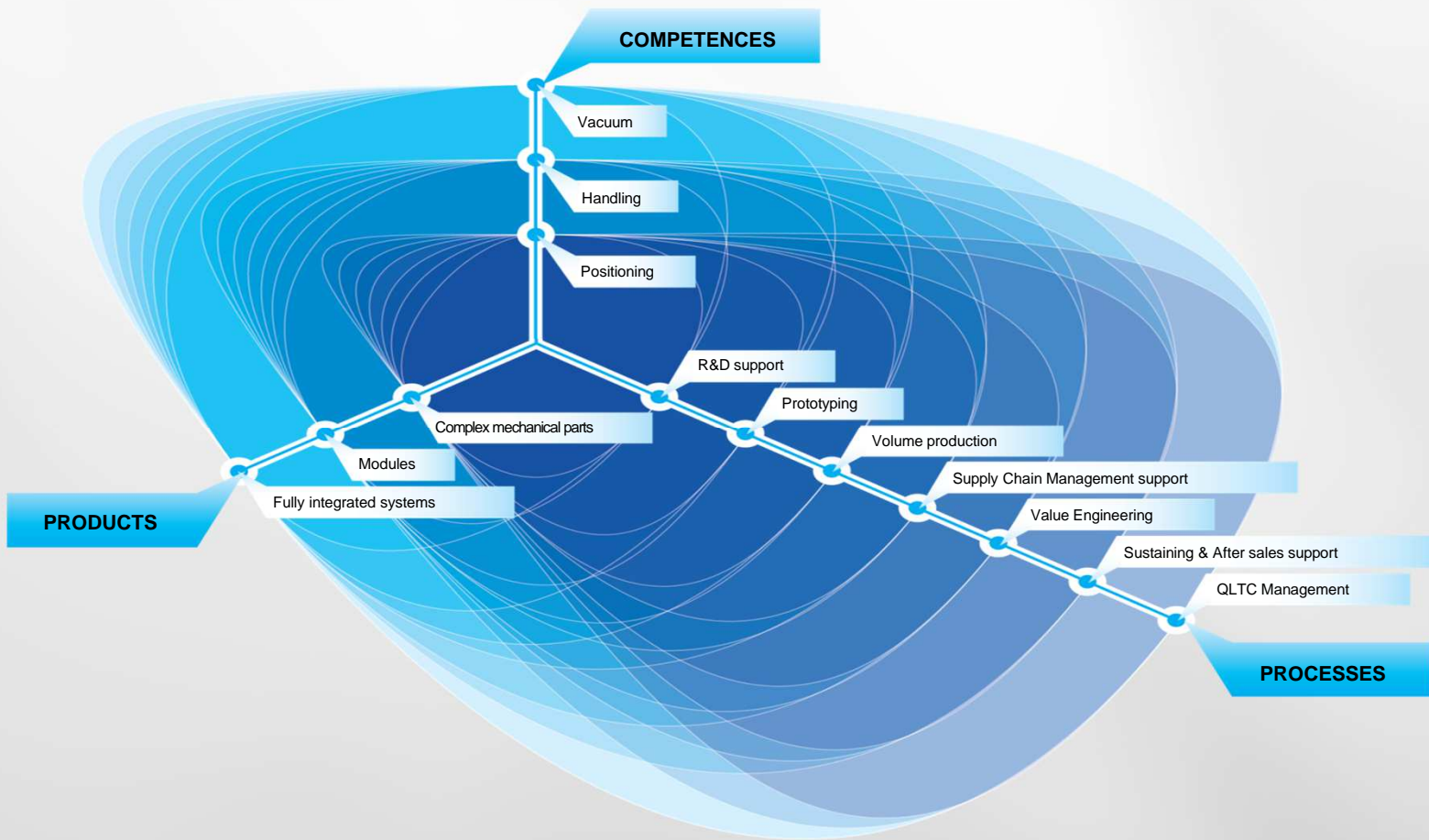
**250,000 M<sup>2</sup>**  
PRODUCTION SURFACE AREA



# VDL ETG Locations



# VDL ETG company DNA





# VDL ETG market segments

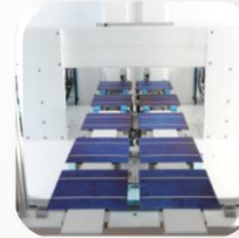
We serve many equipment markets as Tier-1 supplier



Semiconductor Capital Equipment



Led Manufacturing Equipment



Solar Production Equipment



Analytical Equipment



Medical Equipment



Science & Technology



Turn Key Projects



Life Cycle Management

# The VDL ETG technology network

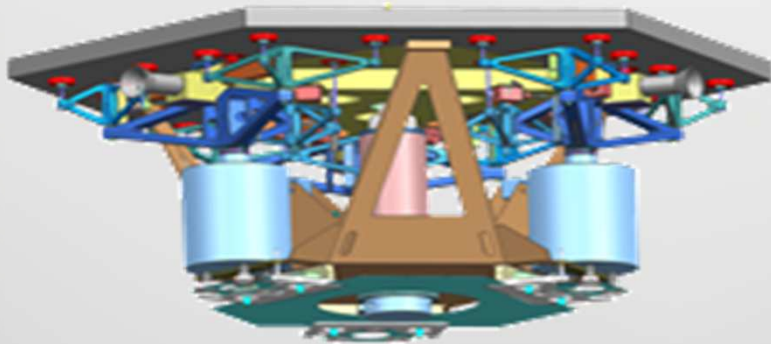
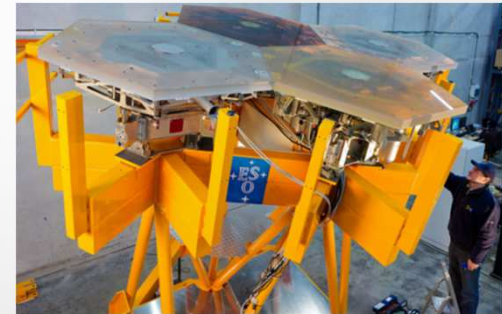
- Our network is also a differentiator
- ..via this network..
- We actively support start-ups and spin-offs in specific markets
  - disruptive technology, existing markets
    - Automotive, space, medical, thin film, semiconductor
  - new technology, new markets
    - accelerator, contamination control, thermal, robotics





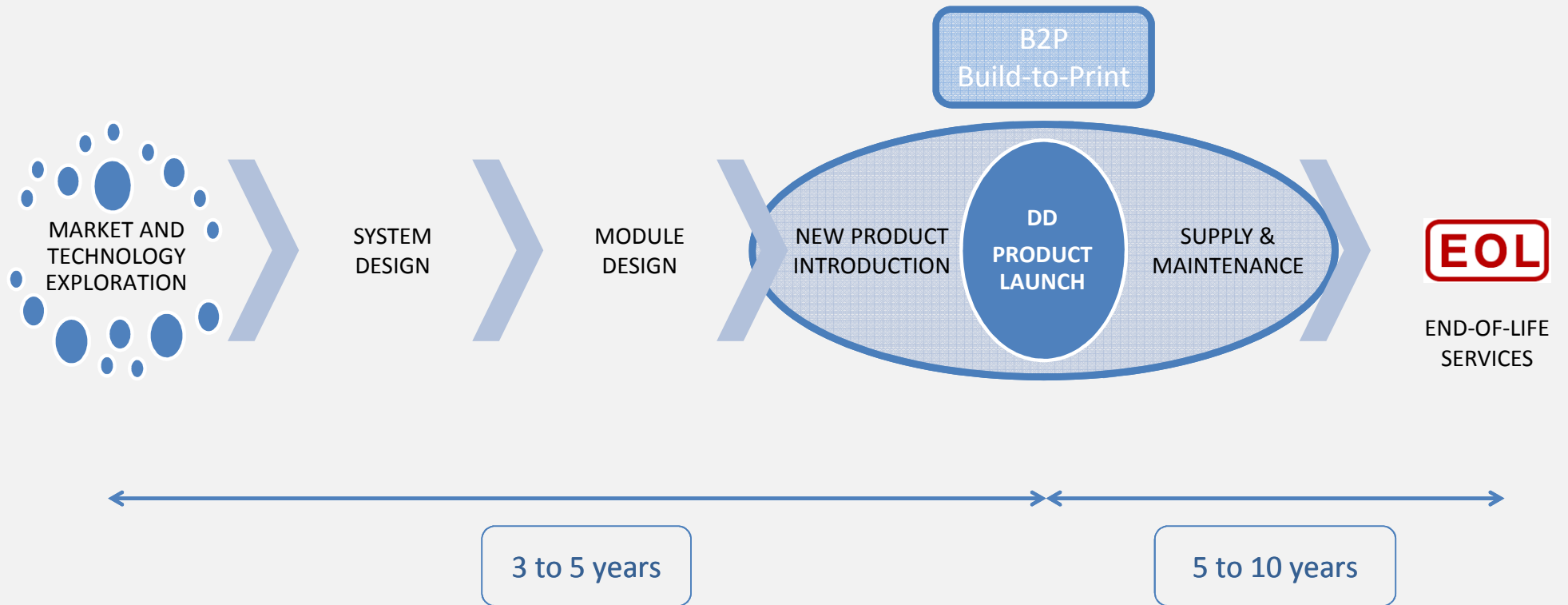


- Co-operation between TNO and VDL for design optimization
- Nano positioning for adaptive optics
- Module Assembly
- Technical improvement support
- 39.3 m telescope for astro physical research



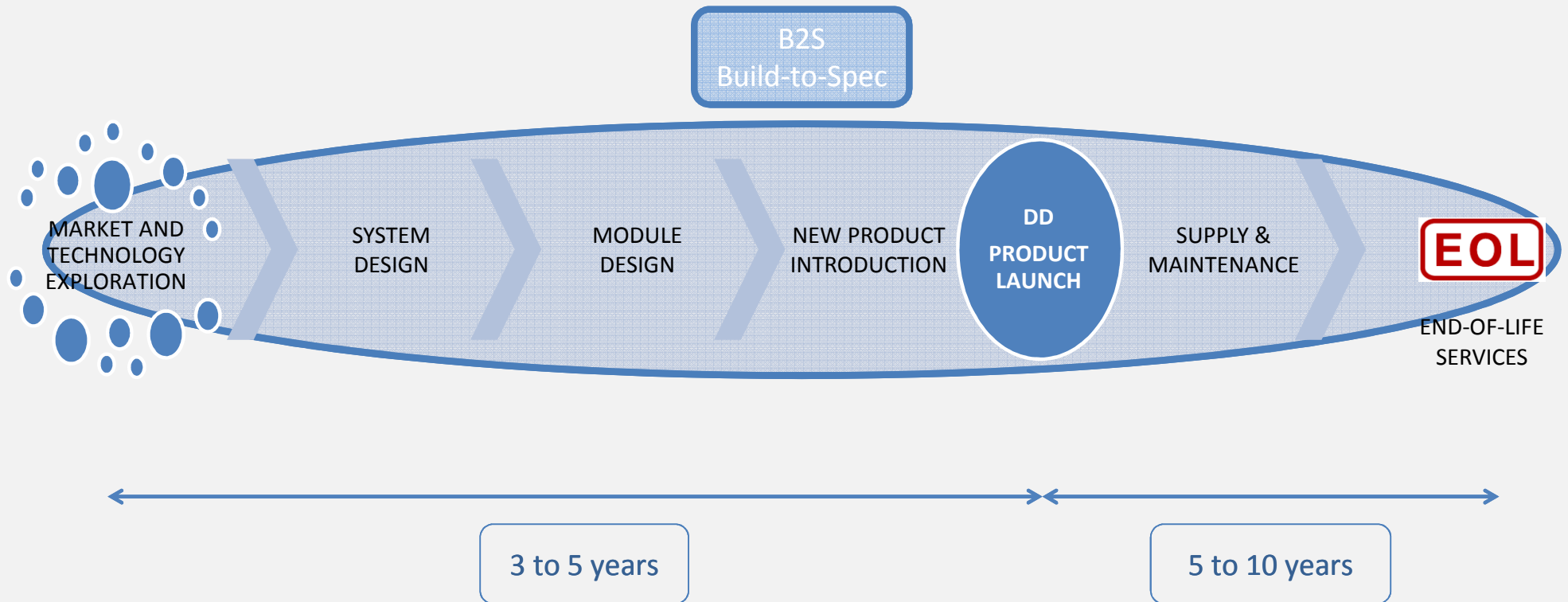
# From Build-to-Print to Build-to-Spec

Full lifecycle management for our customers



# From Build-to-Print to Build-to-Spec

Full lifecycle management for our customers





# Ecosystem VDL ETG

Suppliers, knowledge suppliers, competitors & customers

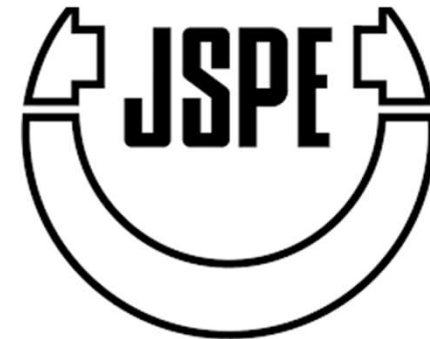


# Ecosystem VDL ETG

Professional network organizations



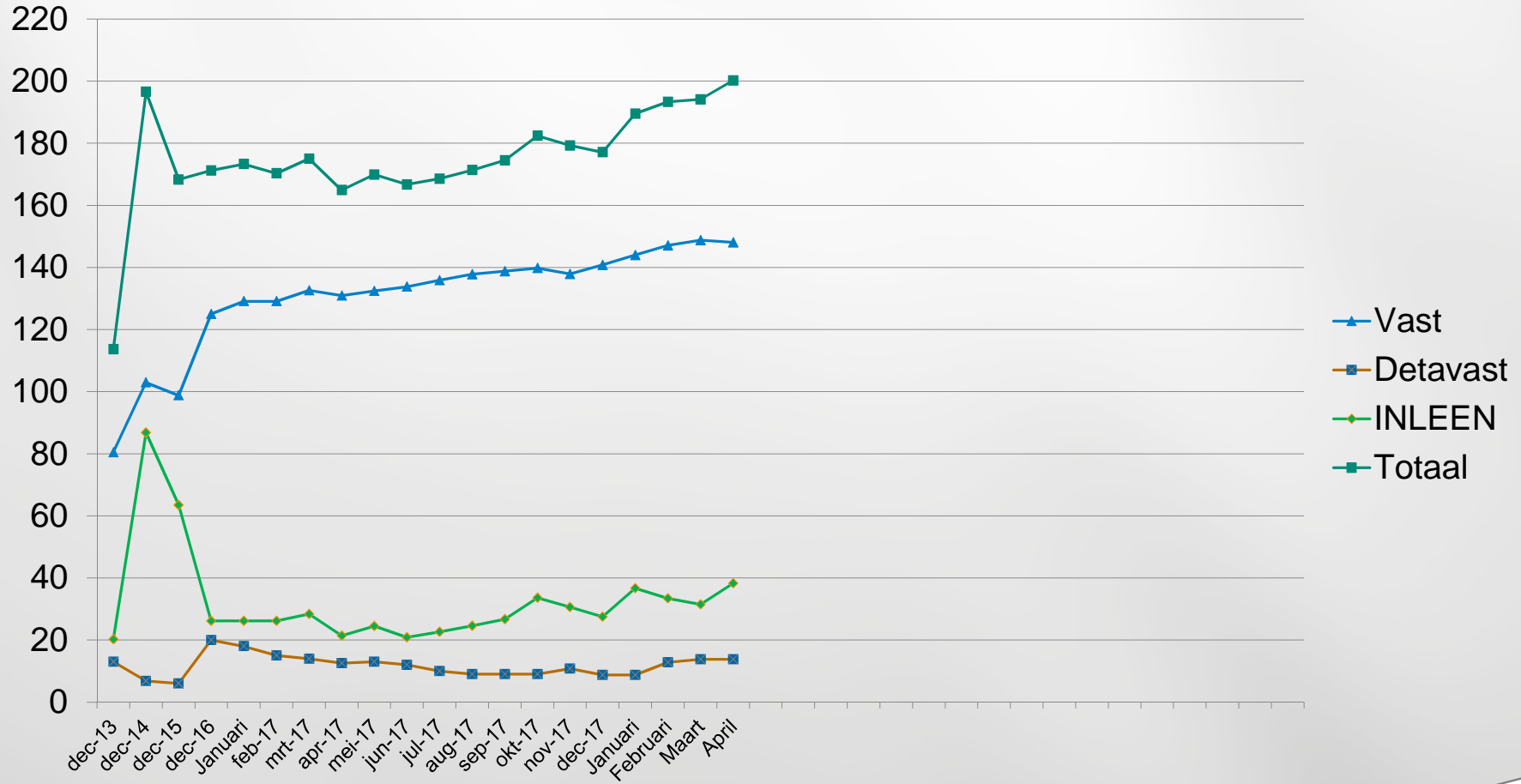
YOUR PRECISION PORTAL



NATIONAL WORKGROUP  
MECHATRONICS

# VDL ETG – Technology & Development

Growth of resources in last years





# VDL ETG Eindhoven

