







# Here's why:

Minister Mark Harbers over geld voor bereikbaarheid regio: 'Brainport dient een enorm nationaal belang'

Nergens zoveel groei als hier: de economie rond Eindhoven trekt flink aan

**56.000 vacatures in Brainport in 2030** 

Vergeet Silicon Valley, kom naar

Honderden miljoenen naar regionale hightech; duizenden banen erbij in Zuidoost-Brabant

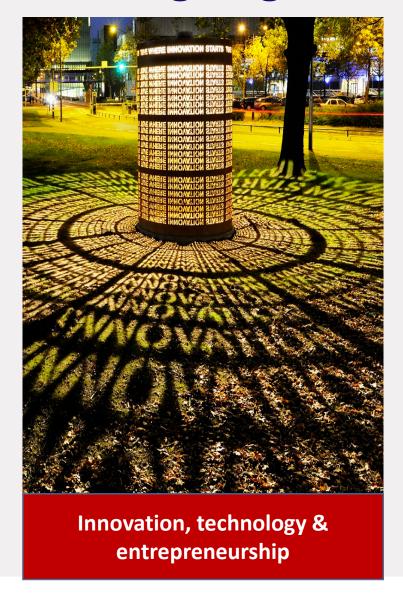


# Brainport offers solutions to the world's societal issues

**Smart Mobility** Health Sustainability **Energy Transition** Norbert van Onna



# Strategic agenda Brainport Region: 3 pillars







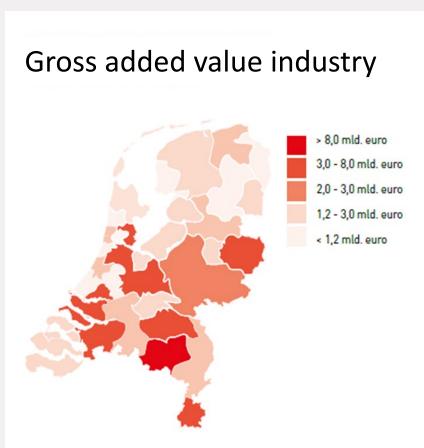
Living environment and business climate



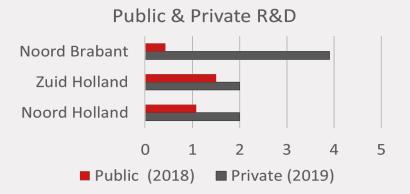


# Why? Rationale for a Brainport scale jump





# Increase in Public R&D spending needed in Region



#### **Technological sovereignty EU**





# Request from Brainport to us

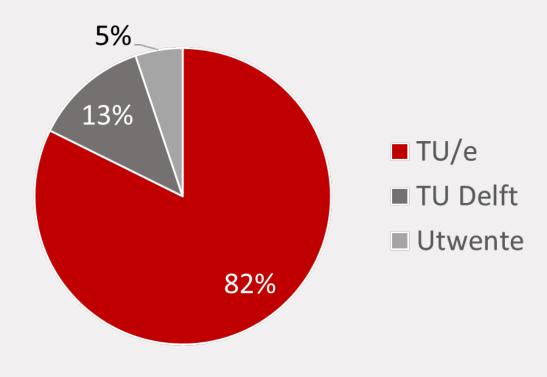
"Are you willing to join us in the scale jump of our region"?

**Answer TU/e: YES!** 



# Why? Rationale for a TU/e scale jump

TU/e is the main source of Brainport talent



**Graduates working in Brainport** 

TU/e is driven by societal challenges



**Proximity matters...** 



# Because we are born out of industry





## What's in it for us?

Firm TU/e links between research and education mean we can

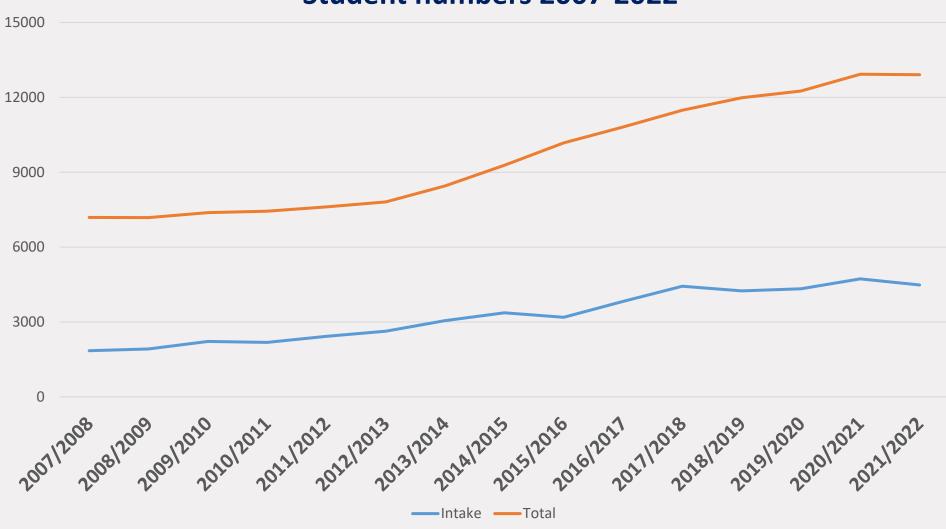
- Grow in staff and facilities
- Grow in quality and excellence
- Grow in relevance: strengthen and develop new things

...as we grow in numbers.



#### We did it before...

#### Student numbers 2007-2022







## 4 dealbreaking conditions:

- 1. Upfront funding from the central government to facilitate growth and to keep the current workload from increasing further.
- 2. Growth should not come at the expense of excellence.
- 3. Growth should be gradual to keep the workload manageable.
- 4. The region must ensure that infrastructure and facilities are in place.



# First step: The Think tank

#### Challenge

"Imagine TU/e in 2030.."

- We have doubled the number of graduates.
- These engineers possess skills relevant to Brainport.
- After they leave TU/e, they stick around in the area.

**Question:** What will it take to get us there?



#### Think tank advice in broad strokes

Primary focus: Increasing the number of MSc graduates

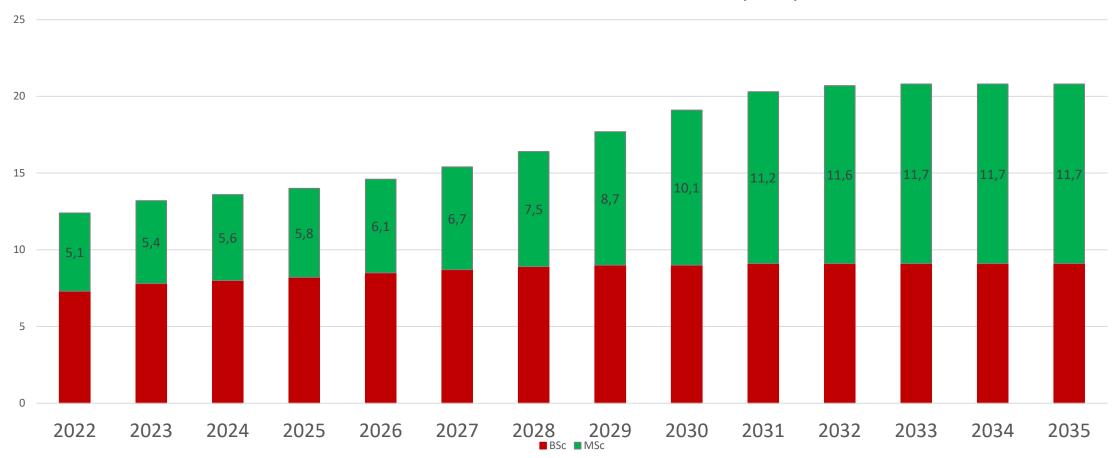
■ Target: **Doubling MSc graduates in 2032**, increase to +140% in 2035

Focus on growth in domains relevant to our ecosystem



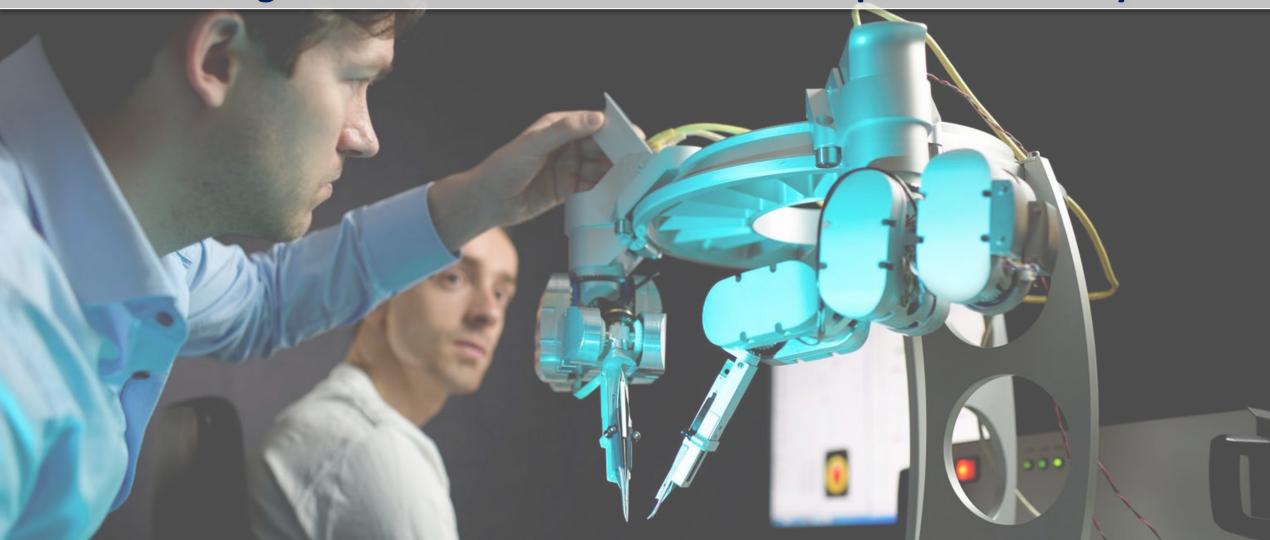
### **Growth scenario for number of students**

Total number of students in BSc and MSc combined (x1000)





# Relevance and partnership: Diversified growth towards future needs Brainport and society

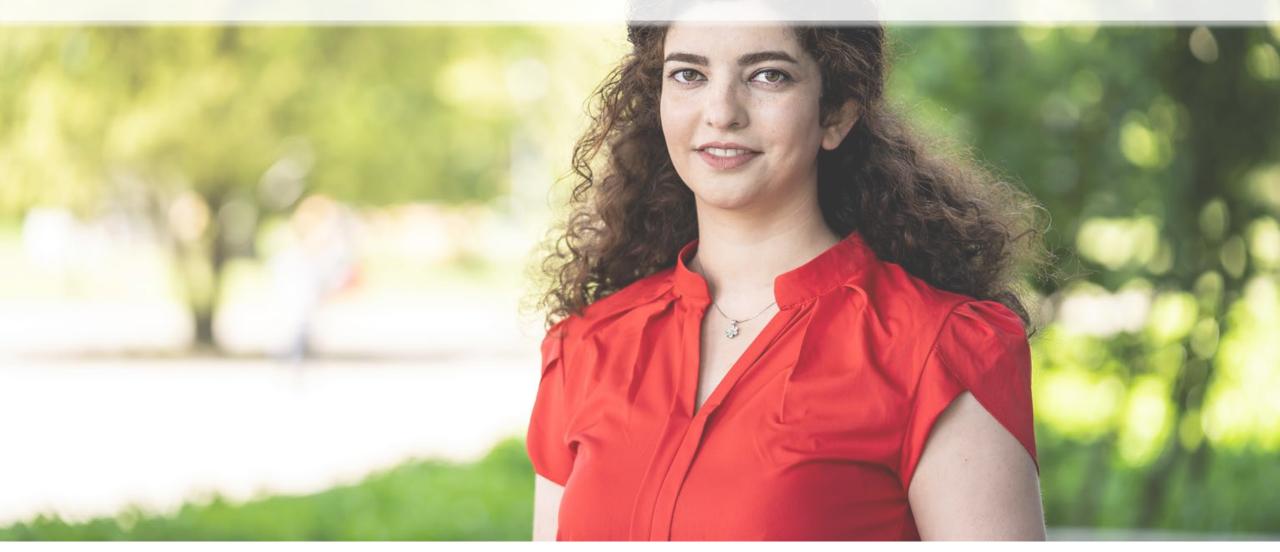


# **Greater inflow Dutch students**





# ... but an increase of internationals will also be needed





# Community and Culture: Improve stay rate in the Brainport region



#### And more...

- Total staff will grow by 76%
- Student-staff ratio decreases to 17:1 (currently about 19:1)
- Lower costs per MSc graduate in 2035 compared tot 2022
- Number of PhD candidates grows in step with staff growth
- More room for research, teaching and support: +66% m2.



## Where are we now in time?

End November 2022
Definitive TU/e proposal for Brainport





# **Next steps after December**

Fingers crossed: Waiting for a positive answer Brainport ministers!

#### In the meantime:

- Internal: Regular information updates via Strategy Update, via departments and meetings
- External: Joint actions with Brainport partners

Decision on financial support expected in April 2023 'Spring Memorandum' (Voorjaarsnota)



# Are you ready to jump?

www.tue.nl/scalejump