

# ENTREPRE NEURSHIP

The capacity to identify and interpret key social issues and trends at an early stage is vital to Chalmers. We must constantly be one step ahead and be prepared to contribute with the right knowledge, expertise and solutions. Keener competition in the university sector and new forms of learning highlight the importance of taking the lead and testing novel working methods.



## WE KNOW WHAT WE WANT

**CHALMERS – FOR A SUSTAINABLE FUTURE** is our vision. It defines our most important focus – a vibrant and dynamic vision of the future in which the fate of humanity is in the balance. Through this vision, we will seek to meet the need for ecological, social and economic sustainability in a committed, innovative and pioneering way. We are proud of our accomplishments and our aim is to serve as a model internationally.

#### IN THE LOCAL AND GLOBAL COMMUNITIES, CHALMERS – FOR A SUSTAINABLE FUTURE MEANS:

- We contribute to attaining UN sustainability targets, both locally and globally.
- We collaborate with others to find solutions to the growing and increasingly complex challenges facing the world.

## FOR US, CHALMERS – FOR A SUSTAINABLE FUTURE MEANS:

- Each and every one of us assumes responsibility for the strict observance of sustainability principles in our day-to-day work.
- We are able to set priorities and adopt a long-term approach when making choices and decisions.





1	Harvard	4499000		
2	Stanford			
3	University of California at Berkeley			
4	MIT			
5	Cambridge			
6	Caltech			
7	Princeton			
8	Columbia			
9	University of Chicago			
10	Oxford			
11	Yale			
12	University of California at Los Angeles			
13	Cornell			
14	University of California at San Diego			
15	University of Pennsylvania			
16	University of Washington			
17	Johns Hopkins			
18	University of California at San Francisco			
19	University of Wisconsin at Madison			
20	Swiss Federal Institute of Technology Zurich -			



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13	University of California at Los Angeles			
14	Columbia			
15	University of Pennsylv	anla		
16	Johns Hopkins			
17	University College Lon	ndon		
18	Cornell			
19	Northwestern Universi	ity		
20	University of Michigan	at Ann Arbor		



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5	Imperial College London		
6	Oxford		
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8	Yale		
9	University of Chicago		
10	Caltech		
10	Princeton		
12	Swiss Federal Institute of Technology Zurich		
13	University of Pennsylvania		
14	Columbia	And the second s	
15	Cornell		
16	Johns Hopkins		
17	University of Edinburgh		
17	University of Toronto		
19	Federal Polytechnic School of Lausanne		
19	King's College London		



## WORLD PREMIERE

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AUTONOMOUS For Saler, Cleaner and more Efficient Public Transport.







## Phase 1 (Autumn 2016)

- 13 markets
- 196 cabinets (NK)
- Improvised positioners
- Paper documentation

## Phase 2 (Summer 2017)

- 51 markets
- 908 cabinets (NK+TK)
- Patented 3D printed positioners
- Documentation via smartphone



### Phase 3 (2018)

- 350 markets in region north + 2 more regions
- Sensor optimization in 6500 cabinets
- Digitalization of 10.000 cabinets (as inventory and for benchmarking)
- Online data base for visualization of results and benchmarking in cooperation with WURM/ frigodata online 2.0





- Optimize 1 Market
- 20 cabinets
- 3-4 papers
- 2 conferences
- 1 FTE job created (PhD student)
- 100t CO2 mitigated
- 370k turnover





- Optimize 350 Markets
- 11'280 cabinets
- 5 papers
- 6 conferences
- 11 FTE direct jobs created
- 15 FTE indirect jobs created
- 42'000t CO2 mitigated
- 2.5mio. EUR turnover (370k EIT)
- 8.3tb data
- One excellence professorship
- One Label







## They don't know...

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...and they don't know either...

## **Profiling** (interview stage, co-creation workshop, 52 interviews)





A1: concern, Business & Market Development (strategic role)



A2: concern, Product Development (strategic role)

Name

Michael



Name Ben

A3: SME business & product development (strategic role)



Name Emma

B1: Real Estate Investor



B2: country/EU policy maker

## **Profiling** (literature stage, 198 LinkedIn profiles)

## A1: concern, Business & Market Development (strategic role)



Tasks

- Lead a multi-product sales force and be responsible for marketing, business plan development and execution. Also provide strategic inputs to the company board.
- Manage the supply chain and develop/assist the dealer/distributor network. Provide them as well as employees regular supply chain trainings. Developing long term partnerships with most important companies in upstream and downstream actors.
- Profit and loss responsibility at the Business Unit. Reporting to senior management and representing the company at fares.
- Market assessment or supply and demand analysis. Likely doing team recruitment.
- Contract (tender) management and negotiation (depending on the product).

#### **Pain/Problems**

- Liaison with other departments (product development/manufacturing) for inventory and convincing senior management for budgets.
- Identifying new business opportunities and markets, based on accurate information and assessment . Consolidating position in existing markets.
- Accommodate different cultural and functional specialties while keeping the team motivated. Accommodating ownership versus beneficiary issue.
- Identifying innovations to acquire.. Keeping the competition in check.

#### **Needed Information**

- General market trends and date, including market structure and channels. Costs of building construction.
- Data on strategic opportunities, contacts for partnerships, key competitors and growth drivers
- Comparable data among different markets with info on local standards, policy context
- Arguments for enabling sales (co-benefits)- energy, health etc.

#### Position

Manager- Commercial, Sales, Marketing or Business Development.

#### About

The person has 10+ years of industry experience. She has worked at various roles in the same organisation (possibly at different departments) and is currently managing the sales, business or commercial activities. She also has experience in international markets and likely knows more than one language. Her work, which is cross-functional (business, sales, product dev) involves frequent networking and contact building. Can be either male or female.







## **Building Market Briefs**

Objective data and experts comments



## **Building Market Briefs**

#### Upcoming...

#### 2016:

- Co-creation of format
- Prototype report (Switzerland)

#### 2017:

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- UK BMB
- French BMB
- German BMB
- Dutch BMB

#### 2018:

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- Spanish BMB
- Italian BMB
- Polish BMB
- Danish BMB

#### 2019:

- UK BMB update
- French BMB update
- German BMB update
- Dutch BMB update

## Tbd

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- Tbd
- Tbd









data

measures

