

An aerial photograph of a cityscape. In the foreground, a large, lush green park with many trees and a winding path is visible. To the left, a multi-lane highway with several cars is shown. In the background, a dense urban area with numerous high-rise apartment buildings and commercial structures stretches towards the horizon under a clear blue sky. A semi-transparent dark blue rectangular overlay covers the left and central portions of the image, containing the text.

PORTFOLIO

Martin R. Hedman
Urban Planner & Designer

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FINISH

The end of your journey through my Portfolio.



ABOUT ME

I am an urban planner with a desire is to create better urban environments where humanity can thrive without disregarding nature.

To achieve it, I am constantly keeping in touch with the latest innovations to ensure my skills and knowledge are up to date.

I was born in Finland, lived in Estonia as well as Spain and studied International Spatial Development in Breda, Netherlands – all of which, contribute to a more global mindset.

Outside of that, I also have a passion for music and like to produce in my spare time.

- Martin R. Hedman

RESUME

MARTIN R. HEDMAN

URBAN PLANNER & DESIGNER

EXTRACURRICULAR ACTIVITIES

01/2020: Y4PT Transport Hackathon Winner
Breda, The Netherlands

03/2019: African Perspective Conference
Delft, The Netherlands

10/2016: Module United Nations
Barcelona, Spain

LANGUAGES

	BEGINNER	GOOD	FLUENT
ENG	■	■	■
EST	■	■	■
FIN	■	■	■
GER	■	■	■

WORK EXPERIENCE

INTERN AT MILESTONE SYSTEMS A/S

Thesis Project, Green Infrastructure Management with Video Technology in Cities.

INTERN AT MILESTONE SYSTEMS A/S

Research Project, Ethical and Responsible use of Video Technology in Cities.

INTERN FOR NICK VAN APELDOORN

Research Project, How Economic Development Affects City Liveability and Mobility.

REFERENCES

INNA SIMONSKA
Vertical Product Manager
Milestone Systems A/S
Email: insi@milestone.dk

NICK VAN APELDOORN
Scientific Researcher
BUAS
Email: apeldoorn.n@buas.nl

EDUCATION

**BREDA UNIVERSITY OF
APPLIED SCIENCES** 2018 - 2022

International Spatial Development
(Built Environment) – Bachelor of Science

**BALEARES INTERNATIONAL
COLLEGE** 2016 - 2018

GCE Advanced Level
Geography, Business, ICT & Mathematics

SKILLS

Photoshop	■	■	■	■	■
Illustrator	■	■	■	■	■
InDesign	■	■	■	■	■
Office 365	■	■	■	■	■
AutoCAD Revit	■	■	■	■	■
SketchUp	■	■	■	■	■
Lumion	■	■	■	■	■



**VIDEO & GREENERY,
BREDA**

Utilizing video technology to improve urban green infrastructure management and elaborating on a potential design of a management platform and system.

**URBAN RETROFITTING,
CALGARY**

Revitalizing the downtown area of Calgary as a smart city campus by the principles of urban retrofitting to create a vibrant and sustainable city centre.



**WATER MANAGEMENT,
JAKARTA**

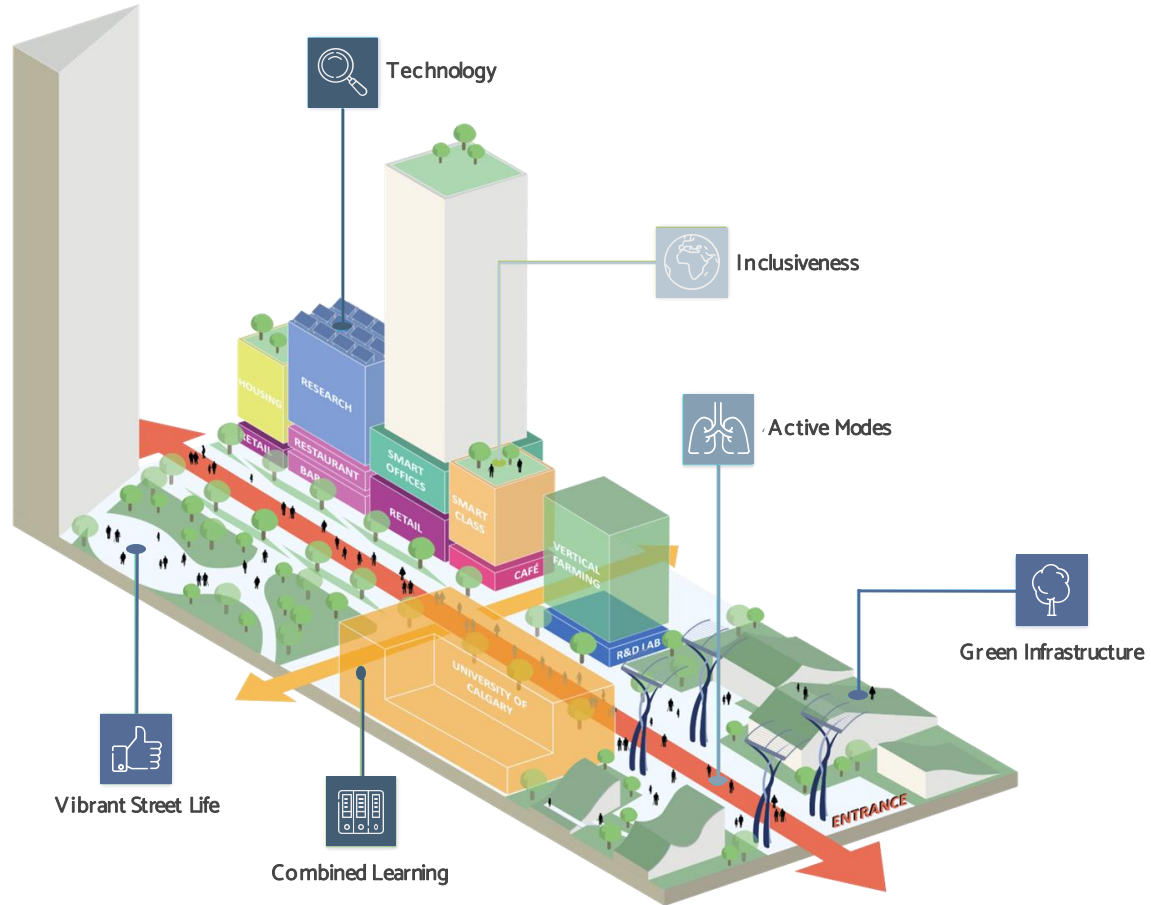
Tackling river floods, sea level rise, land subsidence and sewage treatment issues in Jakarta by infusing water management into urban design.

URBAN RETROFITTING

With the global energy trend increasingly shifting away from fossil fuels, Downtown Calgary has been on the downfall due to oil businesses leaving the area. This has resulted in an office vacancy rate above 30%, creating a disconnected public realm with car-focused streetscapes.

To tackle this, the concept focused on transforming Downtown Calgary into a smart city campus. Vacant offices were repurposed as smart offices, R&D labs, new classrooms and vertical farms, with the idea of attracting new IT-focused businesses. On top of that, the public space was redesigned to further push a campus-like atmosphere.

As a result, the downtown area would provide more space for the existing educational institutes, facilitate more street life and set the IT industry as the new economical core of Calgary.



*Isometric Drawing Section from the Masterplan for the Downtown Calgary Campus**



WATER MANAGEMENT

With rising sea levels and increased precipitation, water management is more crucial than ever to secure coastal cities. Especially in Jakarta, which has to cope with staggering amounts of water during monsoon seasons.

The problem is exacerbated around the canals, which due to poor legislation and maintenance, are overrun by pollution and informal settlements. As such, during heavy rainfall, these canals flood and destroy the already poor and unfortunate livelihood of those who live nearby.

To solve the problem, without displacing anyone, the design incorporates elevated housing on top of the flood plain. In doing so, the canals can flood naturally without causing damage, plus during low tide, the local inhabitants have flexible space to make use of as well as providing a more stable living environment.

CONTACT

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