

Graduation Plan

Master of Science Architecture, Urbanism & Building Sciences



Graduation Plan: All tracks

Submit your Graduation Plan to the Board of Examiners (Examencommissie-BK@tudelft.nl), Mentors and Delegate of the Board of Examiners one week before P2 at the latest.

The graduation plan consists of at least the following data/segments:

Personal information	
Name	Stijn Olthof
Student number	4489519

Studio		
Name / Theme	Management in the Built environment	
Main mentor	Queena Qian	Housing quality and process innovation
Second mentor	Erwin Mlecnik	Housing Management
Argumentation of choice of the studio	The energy transition for the built environment is a current subject which I find very interesting.	

Graduation project	
Title of the graduation project	The challenge of condominium associations in the energy transition (A research into how municipalities can stimulate condominium associations to renovate their dwellings to help with the energy transition)
Goal	
Location:	Mostly the municipality of Amsterdam and partly Rotterdam and The Hague the Netherlands
The posed problem,	Following the Paris agreement to stop climate change, the Dutch government created its climate agreement. For the built environment this entails a colossal challenge as the Dutch government aims the whole built environment to be energy neutral and free of natural gas by 2050. To reach these goals, the Dutch government proposed a district-orientated where municipalities take on a leading role. A big part of this challenge revolves around condominium associations as they take up a big part of the housing stock and are not anywhere near being energy neutral.
research questions and	Main research question: How can municipalities enhance their approach to stimulate condominium

	<p>associations to renovate their dwellings for the energy transition?</p> <p>SRQ1: What lessons can be drawn from the district-orientated approach of different municipalities in stimulating condominium associations?</p> <p>SRQ2: How can the municipality of Amsterdam enhance the customer journey for an energy-efficient dwelling for condominium associations?</p> <p>SRQ3: How can the municipality of Amsterdam enhance their current policy instruments to stimulate condominium associations to renovate their dwellings for the energy transition?</p>
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Process

Method description

To see if and how the approach of municipalities in the Netherlands can be enhanced for stimulating condominium associations to renovate their dwellings for the energy transition, the approach of the municipality of Amsterdam is studied to see if lessons can be drawn from that approach. This is done by comparing the approaches of the municipality of Amsterdam, The Hague and Rotterdam. In addition to that, the customer journey of a condominium association is analysed by looking at the touchpoints with the approach of the municipality of Amsterdam. These touchpoints consist of the policy instruments in place which will be assessed using the Contextual Interaction Theory and the Governance Assessment Tool. Once this is done, a piece of advice can be given if and how the approach of the municipality of Amsterdam can be enhanced. This can be used to see if other municipalities can enhance their approach for stimulating condominium associations.

Literature and general practical preference

My literature concerns the following subjects and concepts

- Local governance
- Energy efficiency governance
- Customer journey and service delivery networks
- Assessing policies with the Contextual Interaction Theory and Governance Assessment Tool

Reflection

1. What is the relation between your graduation (project) topic, the studio topic (if applicable), your master track (A,U,BT,LA,MBE), and your master programme (MSc AUBS)?

The whole built environment must undergo a transition to become energy neutral and free of natural gas. A big part of this transition consists of renovating the dwellings of condominium associations to which municipalities have to fit their approach. This connects well with Housing Quality and Process Innovation chair of Management in the Built Environment as some important aspects of this chair are energy efficiency and environmental impact.

2. What is the relevance of your graduation work in the larger social, professional and scientific framework.

The size of the challenge for Dutch municipalities for the district-orientated approach, especially in the big cities with ensuring the dwellings of condominium associations becoming energy neutral and free of gas is big. Due to property rights, it is not possible to obligate condominium associations to renovate their dwellings (Nieboer and Straub, 2018). Therefore, municipalities must look for ways how to stimulate condominium associations to renovate their dwellings in their approach for the energy transition. This research tries to find the best way to do this.