



Architecture & Urbanism Beyond Oil

MSc2 DESIGN STUDIO
AR0052
FALL 2015

HISTORY OF ARCHITECTURE & URBAN PLANNING

Department of Architecture

Architectural and urban design are anchored in larger political, economic, social and cultural contexts. Students will learn how to place their design into the global context of oil as a commodity, the generator of financial flows, and as a mindset. The focus of this studio will be to identify global landscapes of energy, to map and translate the findings into widely accessible visuals, and to develop an architectural, urban or landscape project that re-envision Rotterdam beyond oil.

STUDIO LEADERS

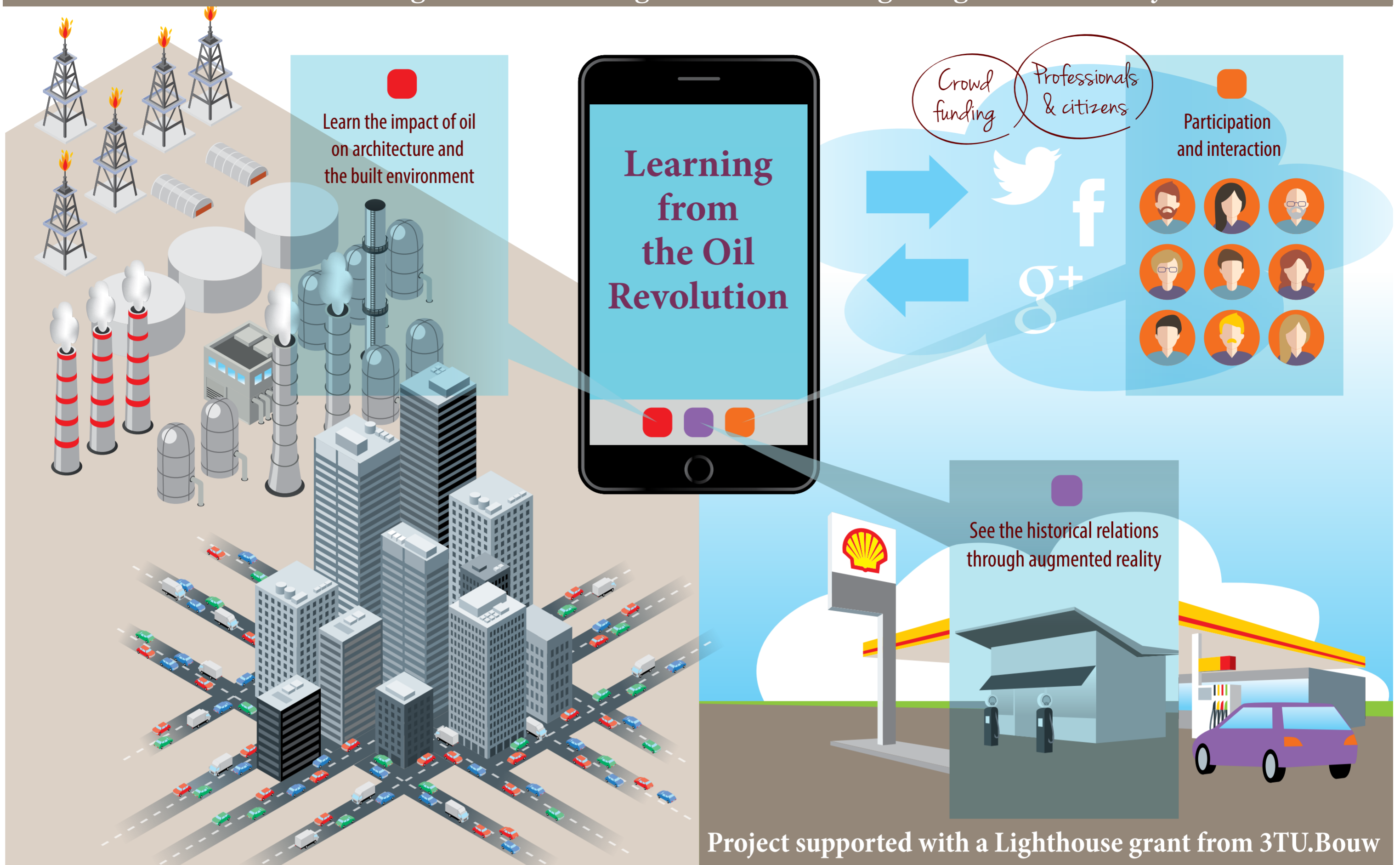
Prof. Dr.-Ing Carola Hein (Architecture, TU Delft)
Prof. Dr. Paul van de Laar (Erasmus University/ Museum Rotterdam)
Ir. Henri van Bennekom (Architecture, TU Delft)

CHAIR

Prof. Dr.-Ing Carola Hein
History of Architecture & Urban Planning
Faculty of Architecture and the Built Environment
Delft University of Technology
Julianalaan 134, 2628 BL, Delft
Netherlands
Email: c.m.hein@tudelft.nl

Learning from the Oil Revolution

Understanding the Past to Design the Future through Augmented Reality



What is this course all about?

The course teaches students to become aware of the wide-ranging impact that petroleum has had on the physical landscape of our cities and on our lifestyles and mindsets. It argues that attempts at creating a more sustainable architecture and urbanism need to acknowledge and understand these patterns to overcome them. Building on existing research on oil and Rotterdam that is developed into an augmented reality tool, students will do a close analysis of specific sites and propose design solutions for Rotterdam after oil. Among the design options will be a redesign of the site of the oil refinery in Pernis. Working in groups with students from different disciplinary backgrounds (architecture, urbanism, real estate and housing, heritage, history, media) will experiment design conditions as they exist outside the university and will produce a collective final project.

How many credits?

The course is 12 ECTS

Who can participate?

The course is designed as multidisciplinary. It is open to students from Leiden, Eindhoven, Amsterdam and Erasmus Universities and will take into account their different disciplinary backgrounds.

Are you a student from another university?

<http://studenten.tudelft.nl/en/students/administration/central-student-administration/enrolment/enrolling-as-a-minor-gueststudent/>

Where, when and by whom is the course taught?

The course will be led by Carola Hein with support from faculty from various universities. Lectures, seminar and studio part will take place at TU Delft (tentatively Monday). Lectures and tours of Rotterdam will take place on Friday afternoon. This is an intensive course, which starts in Week 10 and ends in Week 20. Students from TU Delft have the opportunity to work on a topic related to this studio for their History Thesis starting in Week 1.

GUEST LECTURERS AND CRITICS

Prof. Dr. Han Meyer (Urbanism, TU Delft)
Prof. Dr. -Ing. Ulrich Knaack (AE+T, TU Delft)
Prof. Dr. Alexander Koutamanis (Real Estate and Housing, TU Delft)
Prof. Frits Palmboom (Urbanism, TU Delft)
Prof. Jan Kolen (Archaeology, Leiden University)
Dr. Wouter Jan Verheul (Real Estate and Housing, TU Delft)

