INFRASTRUCTURAL IMAGINARIES IN SCANDINAVIA

GSAPP 2018 SUMMER WORKSHOP
TEI CARPENTER & JESSE LECAVALIER
JULY 25 - AUGUST 10

TEI CARPENTER

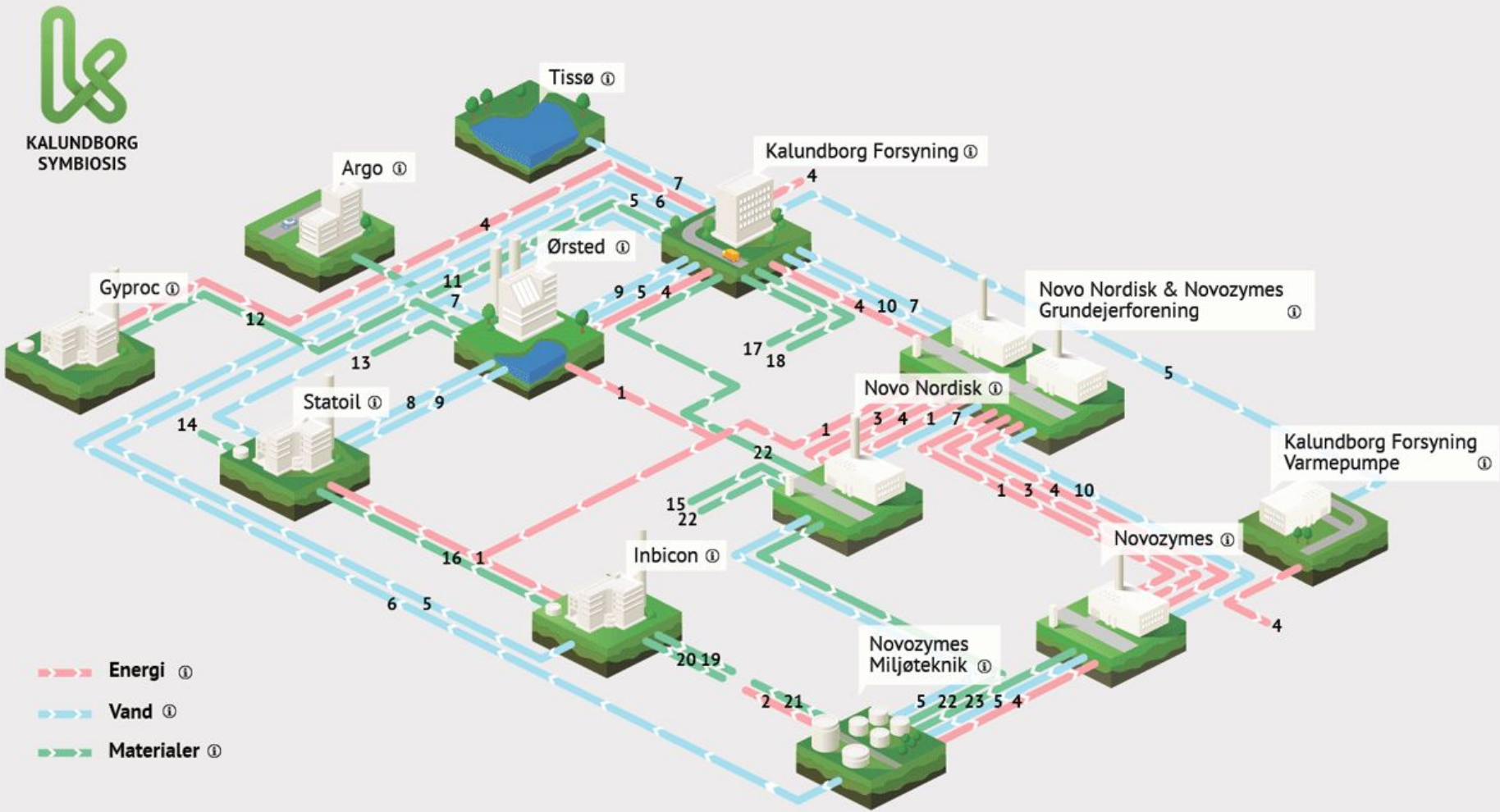
Tei Carpenter is an architectural designer, educator and founder of Brooklyn based design studio Agency–Agency. The studio's recently completed work includes a new non-profit headquarters in downtown Houston and a winning entry for *LA+ Journal*'s island competition. In 2018, Agency–Agency was a winner of the New Practices New York award from the American Institute of Architects. She is Adjunct Assistant Professor at Columbia University's Graduate School of Architecture, Planning and Preservation and Director of the Waste Initiative, an applied research and design platform.

Carpenter's design and research work into architecture's entanglement with emerging natures has been supported by the New York State Council on the Arts and has been exhibited at the Storefront for Art and Architecture and at the 2016 Venice Biennale. Recent design work and writing have appeared in *Artforum*, *Cite*, *Pidgin*, and *Plat*. Previously she has taught at Brown University, Cornell University, City College of New York and at Rice University as the Wortham Visiting Lecturer. Carpenter earned a Bachelor of Arts degree in Philosophy from Brown University and her Master of Architecture degree from Princeton University where she was awarded the Howard Crosby Butler Traveling Fellowship in Architecture.

JESSE LECAVALIER

Jesse LeCavalier (LECAVALIER R+D) is a designer, writer, and educator whose work explores the architectural and urban implications of contemporary logistics. He is the author of *The Rule of Logistics: Walmart and the Architecture of Fulfillment* (University of Minnesota Press, 2016). He is Assistant Professor of Architecture at the New Jersey Institute of Technology and the Daniel Rose Visiting Assistant Professor at Yale School of Architecture.

LeCavalier is a 2018 MoMA PS1 Young Architects Program finalist for his project SHELF LIFE and his installation "Architectures of Fulfillment" was recently part of the 2017 Seoul Biennale for Architecture and Urbanism. Recognition for teaching includes the 2015 New Faculty Teaching Award from the Association of the Collegiate Schools of Architecture (ACSA) and the 2010–11 Sanders Fellow at the University of Michigan. His work has appeared in *Cabinet*, *Public Culture*, *Places*, *Art Papers*, and *Harvard Design Magazine* and his essay, "The Restlessness of Objects," was the recipient of a 2013 Core77 Design Award.


KALUNDBORG SYMBIOSIS
Tissø
Argo
Kalundborg Forsyning
Ørsted
Gyproc
Novo Nordisk & Novozymes Grundejerforening
Statoil
Novo Nordisk
Kalundborg Forsyning Varmepumpe
Novozymes
Inbicon
Novozymes Miljøteknik
Energi
Vand
Materialer

Carbon footprints
Guardian Environment Network

Copenhagen's ambitious push to be carbon-neutral by 2025

The Danish capital is moving rapidly toward a zero-carbon future, as it erects windfarms, transforms its citywide heating systems, promotes energy efficiency, and lures more people out of their cars and onto public transportation and bikes

Justin Gerdes *for Yale Environment 360, part of the Guardian Environment Network*

Fri 12 Apr 2013 10.30 EDT

WATER & SANITATION

Here's How Sweden is Recycling 99% of its Waste

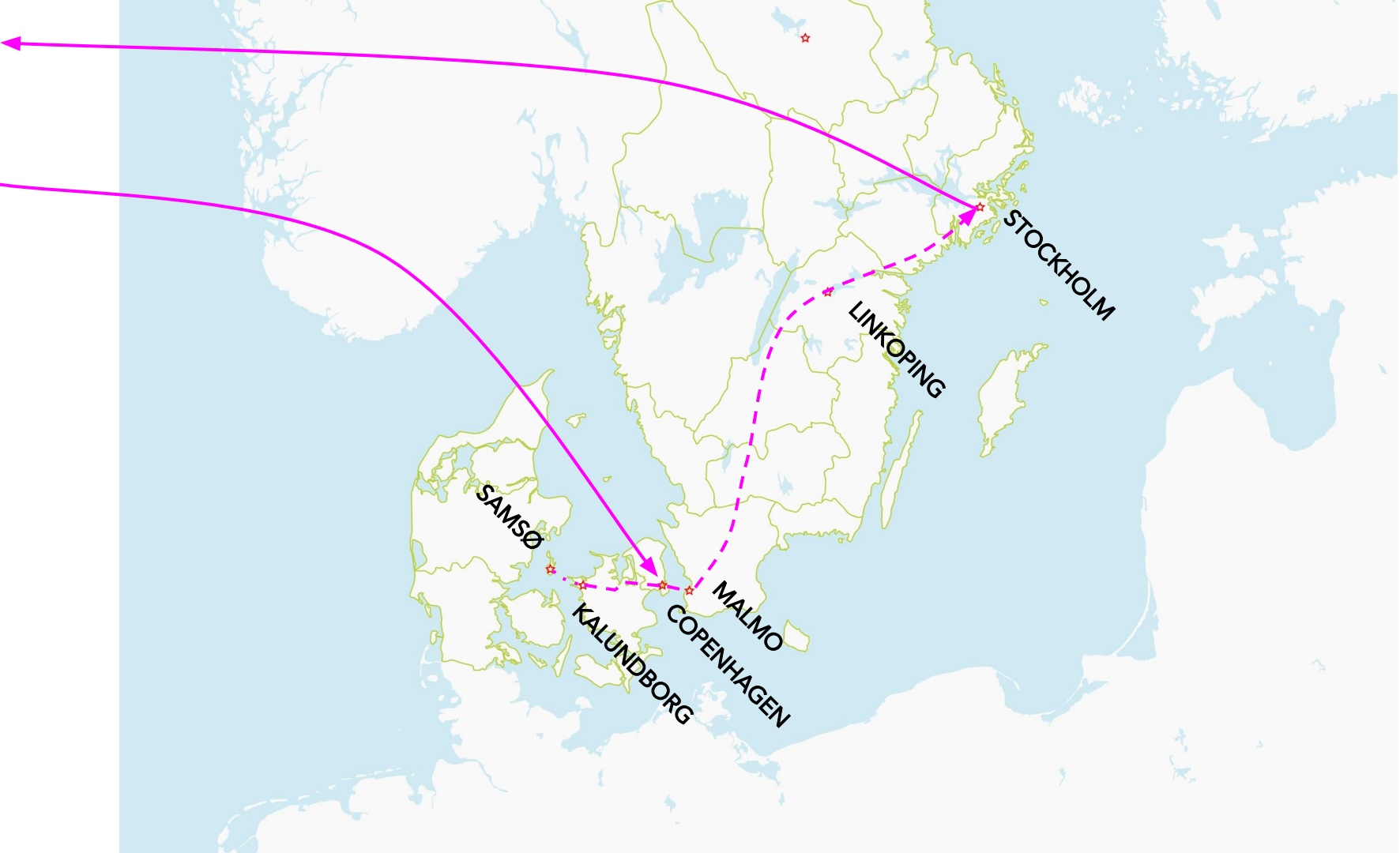
Don't waste waste!

Wikipedia Commons / Holger.Ellgaard

By **Garima Bakshi**

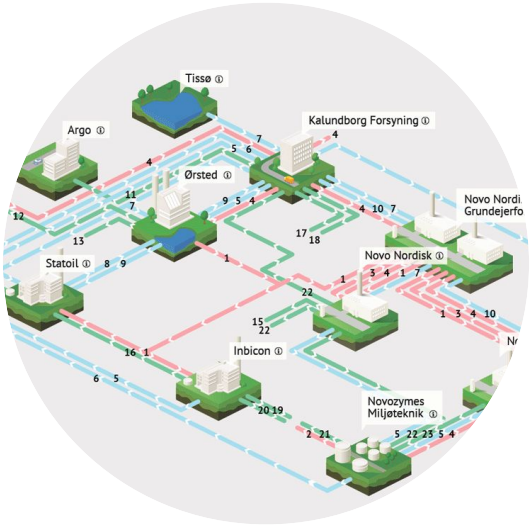
AUG. 25, 2016

Starting Sunday, August 28, the global water community – decision makers from government, civil society and business - will meet in Stockholm for the world's leading annual event on water and development - World Water Week. Follow #WWWeek for updates.


STOCKHOLM
LINKOPING
SAMSØ
MALMO
COPENHAGEN
KALUNDBORG

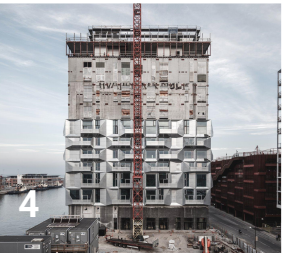
SCALES OF INFRASTRUCTURE

REGION
SAMSØ
ENERGY ISLAND



DISTRICT
KALUNDBORG
INDUSTRIAL SYMBIOSIS

BUILDING
COPENHILL
CROSS-PROGRAM

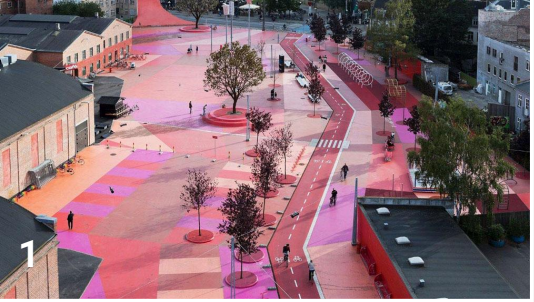


PART I

COPENHAGEN ++

COPENHAGEN

1-COPENHILL WTE, BIG
2-ROSKILDE ENERGY TOWER,ERICK VAN EGERAAT
3-UN CITY HEADQUARTERS, 3XNIELSEN NIELSEN
4-THE SILO, COBE
5-MIDDELGRUNDEN WIND FARM
6-NORDHAVN DEVELOPMENT AREA



PART I

COPENHAGEN ++

1-SUPERKILEN PARK, BIG + TOPOTEK
2-LOUISIANA MUSEUM,BO & WOHLERT
3-BAGSVAERD CHURCH,JØRN UTZON
4-MOUNTAIN HOUSING, BIG
5-TIETGEN HOUSING, LUNDGAARD & TRANBERG
6-THORVALDSENS MUSEUM,M.G.BINDESBØLL
7-FROSILO, MVRDV
8-HARBOUR BATH, BIG + JDS
9-FREETOWN CHRISTIANIA
...AND MORE!

PART I

COPENHAGEN ++

KALUNDBORG

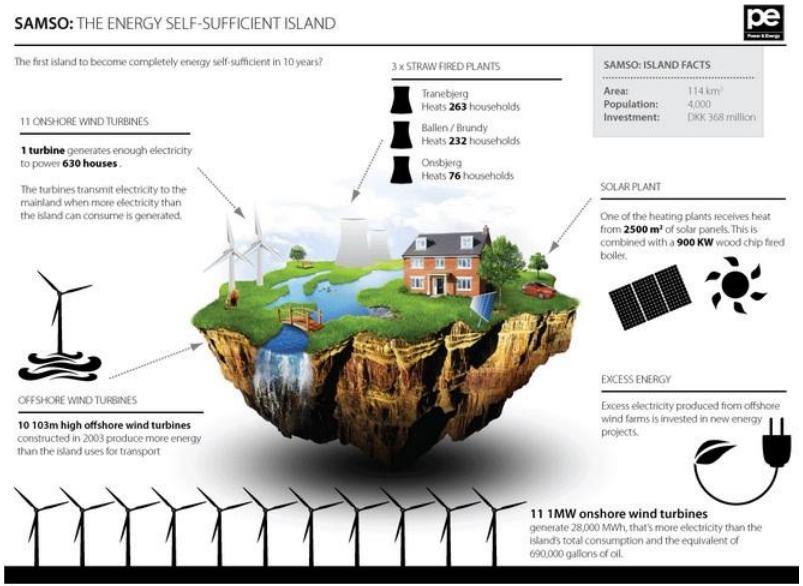
INDUSTRIAL “ECO-PARK”

PART I

COPENHAGEN ++

SAMSØ

CARBON NEUTRAL COMMUNITY



PART II

MALMO / STOCKHOLM

MALMO

LINKOPING

STOCKHOLM


1

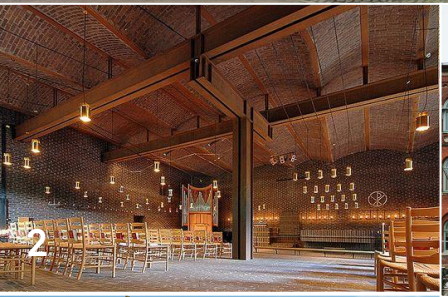

2

PART II

MALMO

1-SYSAV
MOST ENERGY EFFICIENT WTE IN SWEDEN; ONE OF THE MOST ADVANCED WTE FACILITIES IN THE WORLD

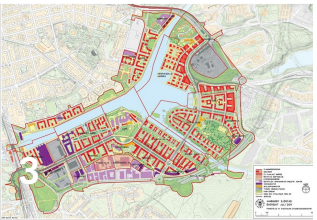
2-WESTERN HARBOR DISTRICT
NEW “ECO” NEIGHBORHOOD ANCHORED BY CALATRAVA’S TURNING TORSO

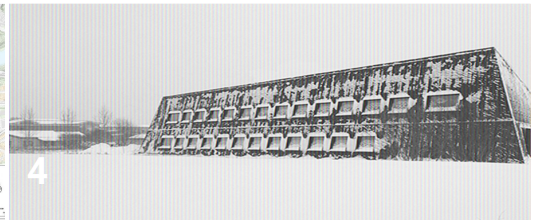


PART II

MALMO

1-FLOWER SHOP, SIGURD LEWERENTZ
2-ST. PETER’S CHURCH, SIGURD LEWERENTZ
3-MODERNA MUSEET, THAM & VIDEGÅRD
4-IKEA MUSEUM
5-MALMO OPERA,SIGURD LEWERENTZ
...OCH MER!





PART II

LINKOPING/STOCKHOLM

1-LINKOPING WTE
2-ENVAC WASTE HANDLING
3-HAMMARBY “ECO-DISTRICT”
4-THE CATHEDRAL, PETRA GIPP


1

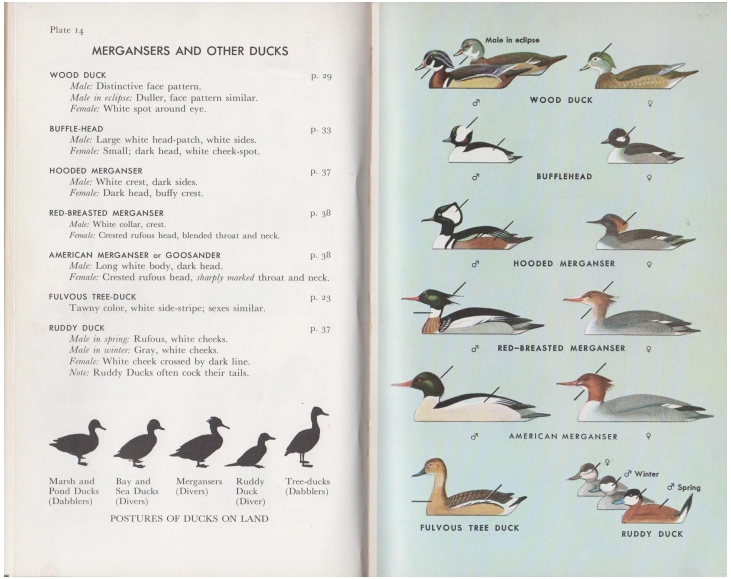

2

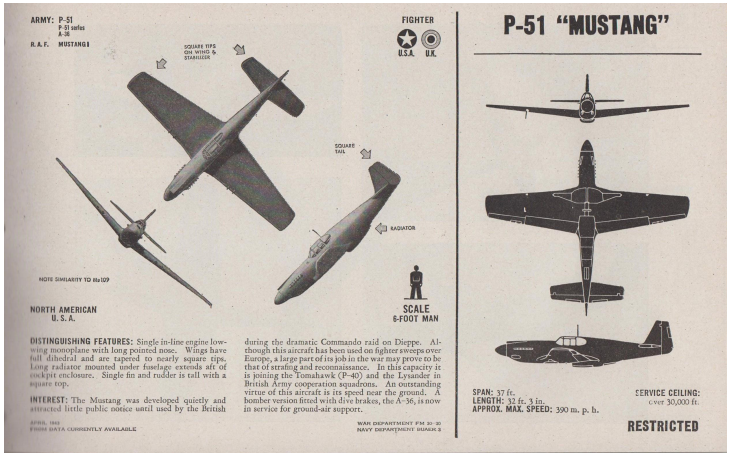

3

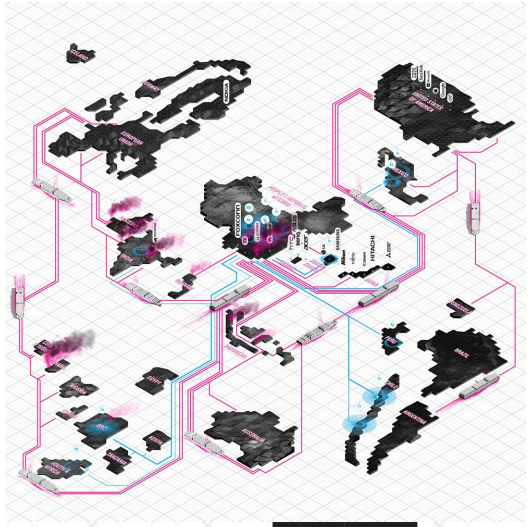
PART II

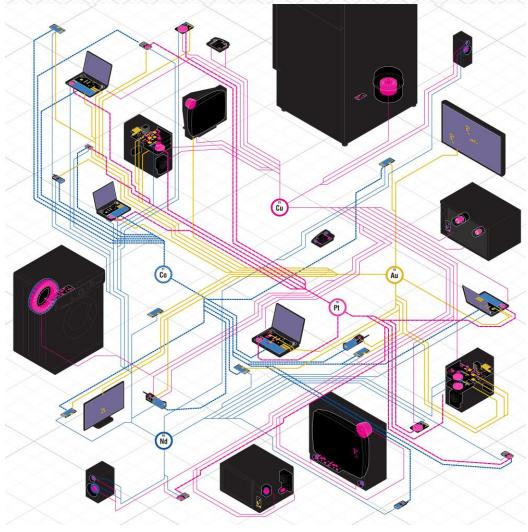
STOCKHOLM

1-NATIONAL LIBRARY, GUNNAR ASPLUND
2-WOODLAND CHAPEL, GUNNAR ASPLUND
3-ST. MARK'S CHURCH, SIGURD LEWERENTZ
4-STOCKHOLM U. LIBRARY, RALPH ERSKINE
5. MODERNA MUSEET STOCKHOLM
...AND MORE!









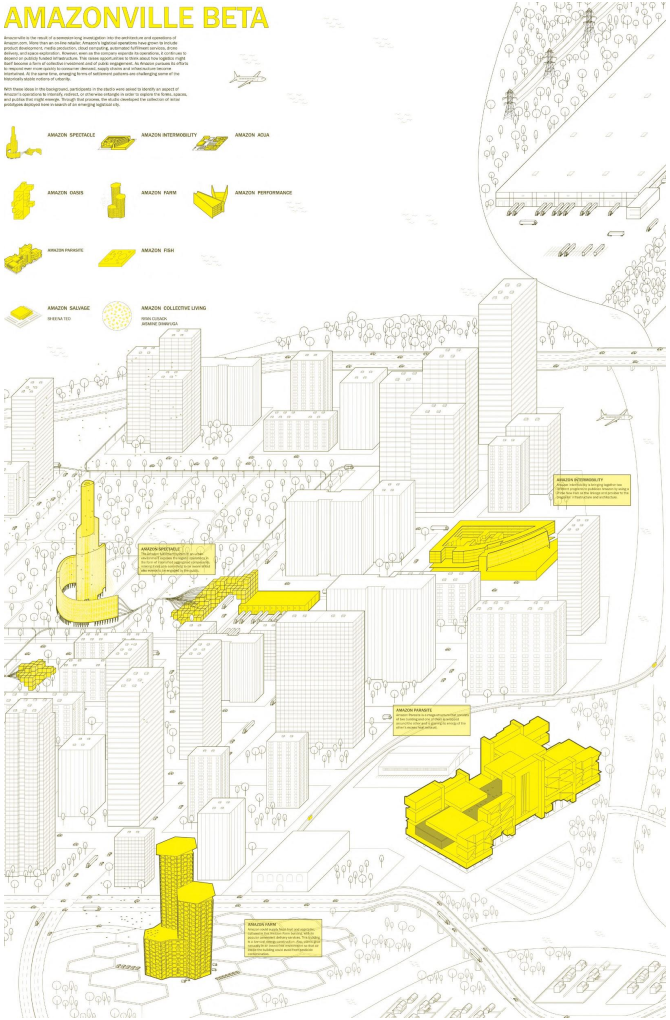
OUTPUT MODELS

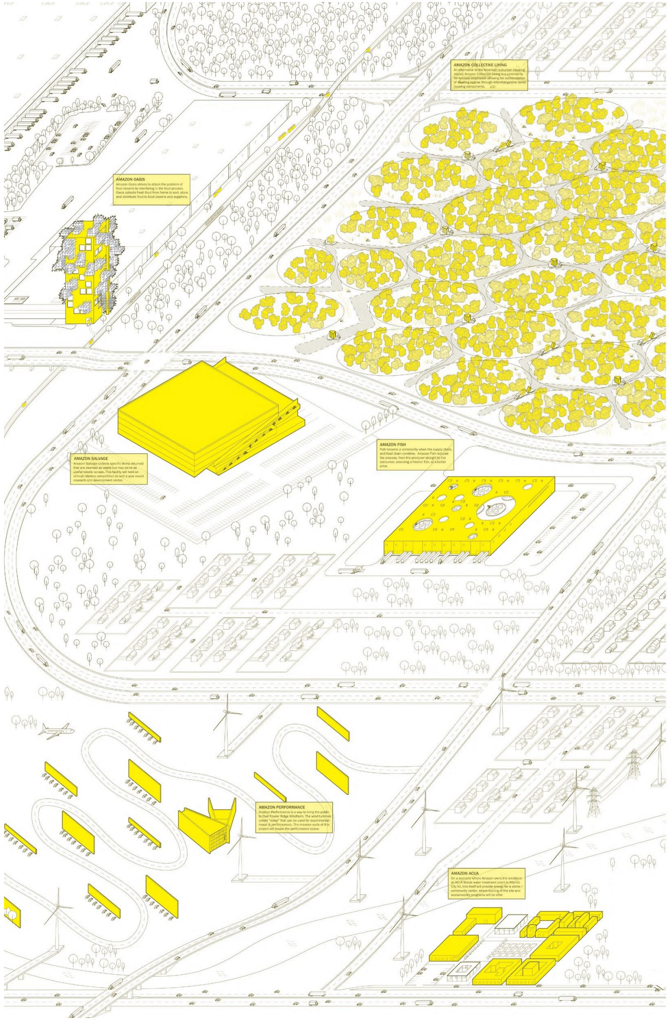
FIELD GUIDE
(PETERSON'S FIELD GUIDE TO BIRDS)

RECOGNITION MANUAL
(US NAVY)

SYSTEMS DRAWINGS
(LATERAL OFFICE, STATES OF DISASSEMBLY, 2017)

BROADSHEET POSTER


AMAZONVILLE BETA
Amazonville is the result of a semester-long investigation into the architecture and operations of Amazon.com. More than an on-line retailer, Amazon's logistical operations have grown to include product development, media production, cloud computing, automated fulfillment services, drone delivery, and space exploration. However, even as the company expands its operations, it continues to depend on publicly funded infrastructure. This raises opportunities to think about how logistics might itself become a form of collective investment and of public engagement. As Amazon pursues its efforts to respond ever more quickly to consumer demand, supply chains and infrastructure become intertwined. At the same time, emerging forms of settlement patterns are challenging some of the historically stable notions of urbanity.
With these ideas in the background, participants in the studio were asked to identify an aspect of Amazon's operations to intensify, redirect, or otherwise entangle in order to explore the forms, spaces, and publics that might emerge. Through that process, the studio developed the collection of initial prototypes deployed here in search of an emerging logistical city.
AMAZON SPECTACLE
AMAZON INTERMOBILITY
AMAZON ACUA
AMAZON OASIS
AMAZON FARM
AMAZON PERFORMANCE
AMAZON PARASITE
AMAZON FISH
AMAZON SALVAGE
SHEENA TEO
AMAZON COLLECTIVE LIVING
RYAN CUSACK
JASMINE DIMAYUGA
AMAZON INTERMOBILITY
AMAZON SPECTACLE
AMAZON PARASITE
AMAZON FARM


AMAZON COLLECTIVE LIVING
AMAZON OASIS
AMAZON SALVAGE
AMAZON FISH
AMAZON PERFORMANCE
AMAZON ACUA


AMAZONVILLE BETA

The Royal Danish Academy of Fine Arts,
Schools of Architecture, Design and Conservation

POTENTIAL PARTNERS

KTH VETENSKAP OCH KONST

MALMÖ UNIVERSITY

BIG BJARKE INGELS GROUP

International Society for Industrial Ecology


TOTO
SPISEVOGN