

Afsluitdijk
FARO Architecten



Almere Buiten
Dam & Partners Architecten



Almere Kustlijn
PosadMaxwan Strategy x Design



Almere Pampus
Nieuw Pampus Revisited



Amsterdam-Duivendrecht
KOLLEKTIEF



Amsterdam Noord
Cluster



Amsterdam Noord
Wonen in Werklandschappen



Amsterdam Noord
De Kloof



Amsterdam Zuidoost
Complicit



Apeldoorn Noord
Schipper Bosch: Special Projects



Apeldoorn Zuidoost
Team Barzilay + Ferwerda



Arnhem Centrum
Cityförster



De Banjaard
Collage City NL



De Beemster
M8DB + LRvH architecten



Breda Noord
Mei Architects and Planners



Breda Oost
...de periferie of nie



Borssele
Dirk Sijmons, Ro Koster en Herman Kossmann



Buggenum
IRIX



Delden
Studiospacious



Delfzijl
VAKWERK



Den Haag-Loosduinen
Eco-Centric Exploration



Den Haag Zuid
Dividual: Operatie Transformatie



Den Helder Zuid
XML



Deventer
JDWA



Diever
Studio ACTE



Dordrecht Centrum
Patina Architecten



Dordrecht Centrum
Biopolis



Dronten
New Frontiers



Ede-Wageningen
Urhahn



Eindhoven Steensel
H+N+S



Eindhoven
Sectie-C



Eindhoven
B-Invented



Enkhuizen Zuid
Studio Nauta



Gelderse Poort
Regeneration by TRAJECT
Gezond gebied en Circular Floating Districts



Gelderse Poort
Vals Plat



Gemonde
Super Park
van Bergen Kolpa



Haaren
LMNL office



Haarlem Zuid
Een andere toekomst voor Schalkwijk



Heerenveen
Studioos+



Heerlen
OD205

Hellevoetsluis
Independent School for the City | Team #2

Hengelo Noord
Studio GAAGA

Hilvarenbeek
Bedaux de Brouwer

Ijmuiden Tata
MUST

Kampen
NL Neutraal

Leeuwarden-West
GEAR

Leiden Zuid
Md2-architects

Lelystad Noord
Flux landscape architecture

Lelystad
TAAK

Mantgum
Ootmoed

Margraten
Rotative Studio

Markerwadden - Lelystad
New World Architecture

Polder Mastenbroek
Het Poldermodel

Lievelde
Lokalen

Meijel
Denkkamer

Meerssen
Raar maar waar!

Middelburg
Rijnboutt

Moergestel
Etmol \ less land use

Muiden
Paradijs

Nagele
Dérive

Nes aan de Amstel
VDSVT

Nederland
Floris Alkemade

Nieuw Vennep
Maaksimaal

Ommen
SMAL

Oud Gastel
Echo Urban Design

Oud-Alblas
Wissing

Roermond Zuidwest
MAAT - FELT

Roosendaal Oost
Zoetmulder

Rotterdam
De Urbanisten

Rotterdam Alexander
Shift Architecture & Urbanism

Rotterdam Alexander
MLA+

Rotterdam Oost
Guis Architectenwerk

Rotterdam Zuid
Willem de Kooning Academie

Schagen
Tropical NL

Scherpenzeel
Jona 20in2040

Schoonoord
GrownDownTown

Haven Serooskerke
Zeelandstad

Simpelveld
MORE architecture

Saint Geertruid
DEDRIE architecten

Sittard
New Urban Networks

Tilburg Noord
Studio Iza Slodka

Tilburg Zuid
Team 2.68

Twekkelo
Lectoraat SAST

Uithoorn
Art of Cities

Utrecht Centrum
MVRDV

Utrecht Leerdam
el KANTOOR

Utrecht
Inbetween

Utrecht
Huibers van Weelden

Veenendaal
Jin-ah, Noa & Jurriënne [JNJ]

Vijlen
Ralph Cloot + Shan Shao

Nieuw Vossemeer
CATON x C²MON x INSCAPE

Warffum
Rob Brink & Lieke Jildou de Jong

Wijster
la-di-da

Wapse
Team Pauldevroom + Sputnik

Zenderen
NadiaNena & TKA atelier

Zoetermeerse Polder
Independent School for the City | Team #1

Zoetermeer Zuid
Lokaal 6

Zutphen
Ziegler | Branderhorst

Zwolle Noord
Warp

+756.424 ADDITIONAL HOUSING UNITS BY 100 ARCHITECTS FOR THE NETHERLANDS 2022-2030!

Ministerie van Maak!

Ministerie van Maak!

Recommendations to the Dutch Cabinet by the Ministry of Make! (MIN MAAK!)

Rotterdam/Amsterdam, March 23, 2023

Addressing:
Hugo de Jonge, Minister for Housing and Spatial Planning
Mark Harbers, Minister of Infrastructure and Water Management
Vivianne Heijnen, State Secretary for Infrastructure and Water Management.
Rob Jetten, Minister for Climate and Energy
Christianne van der Wal-Zeggelink, Minister for Nature and Nitrogen
Carola Schouten, Minister for Poverty, Participation and Pensions

Dear fellow ministries,

On July 14th, 2022, we shared the initial outline for the creation of a new inter-Ministry of Make! for the Netherlands. We saw architects and planners recognizing how the spatial state of our country is at a critical juncture – the housing shortage, the consequences of climate change, anticipated subsidence, nitrogen crisis, and energy transition – and how they would no longer stand by, nor head for the meeting tables again. Together with my colleagues for Infrastructure and Water Management, Climate and Energy, Nature and Nitrogen and Poverty Policy, we realize that we can no longer afford the luxury of administrative layers. That is why we formed this new inter-ministry.

Make, Making, Makeability is something we, as Dutch, have believed in for a long time, at least a couple of centuries. Head in the clouds, feet in the clay: Deltaworks, dykes, polders, you know them all. We determined our own destiny. We also thought we were good at it, certainly until sometime in the 1970s. We lost it because it didn't always deliver what we hoped for. And we must be honest: mistakes were made. All those awful industrial lots, chewed-out shopping malls and boring dormitory neighborhoods. In response social engineering got labelled naïve. Surely the market would know much better, again promises were made. Yet again, huge disappointment(s).

The call for a government that will take responsibility is loud. So we will listen to our citizens. We also don't want to fill our beautiful polder lands with ugly container neighborhoods in a blind panic. We are taking in the lessons learned from fighting COVID-19 and propose a smarter approach. We called it Operation 100a x 10k = 1 million homes. (Whether we really need 1 million homes is open for discussion.)

We asked 100 architects working in the Netherlands to each plan 10,000 homes in a self-selected place in the country. We asked them to consider the effects of climate change, subsidence, and mobility. Other than that, they were free to do whatever they wanted. We gave them a test-kit with the basic ingredients for building a model and asked them to make a short video to explain their design.
On October 14th the results of the test were delivered to Rotterdam during the city's International Architecture

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Biennale (IABR) located at the Ferro, an abandoned former industrial site in the city's harbor. They were presented in the largest sand model of the Netherlands to date. The festive opening gathered more than 900 architects and planners from across the entire country. Following this moment of celebration, the Ministry's R&D department powered by young graduate professionals started elaborating on the submitted results. A total count of houses added through the 100 test sites accumulated to 759.654, or just over ¾ of the original ambition.

After careful consideration the following five conclusions offer specific insights for follow-up:

1. One million extra places to live instead of one million new houses?
25% of the test sites propose not the building of new houses, but transforming the existing stock in urban and industrial areas. This can offer new and more flexible living typologies that better suit current and future housing needs. Only the remainder requires new construction. Working with the existing structures can save time, money and a large amount of CO_2. Of the test sites, 15% even advocate not adding new homes at all but only transforming existing ones. Think of converting single-family houses too large for purpose into domiciles for multiple households, or transform empty(er) real estate and business premises (10% of the test sites) into live/work locations.

2. The polder is changing
The polder was once the ultimate symbol of social engineering: conquering the land, water, and nature using technology and fossil energy. In over 50% of the polder test sites, water is now being allowed back in, allowing us to live with the rising water levels. 20% of the teams introduce raised mounds or dykes to live high and dry on them, and in 40% of cases we find floating homes are able to cope with all the uncertainties of climate change. Interestingly, none of the test sites advocate moving to the higher eastern part of the country. Still we can see this as a clear advent of a new era: The Dutch polder landscape we all know and love will change dramatically, but perhaps for the better.

3. Nature-driven planning and bio-based building
Developing a new habitat starts with creating a robust and climate-proof landscape. Of the test sites, 75% first provide sufficient water buffering to absorb the peaks and troughs of water. In 37% of the test sites, forests with many trees are first planted for nitrogen compensation and biodiversity and then as future building material. This will allow future homes to be built with wood and other natural, sustainable materials as much as possible. This requires a massive reinvestment in the entire building chain, so that we are not stuck with concrete, brick, and plastic in the future.

4. Develop landscape, agriculture, and housing hand in hand
Both agricultural and residential areas are transforming into hybrid areas where food and energy production, living and working go hand in hand. This means no longer just thinking in large-scale back-to-back areas, but also considering new forms of housing and agriculture that are more self-sufficient and locally oriented. In 40% of the test sites, the aim is to combine agriculture and housing so that food production becomes part of daily life and is therefore valued as a collective good again. Here, water and soil are leading forces in the design of the landscape.

5. Create exemplary projects and test sites
The 100 test sites show that there is incredible creativity, drive, and optimism at the local level. This creative energy should be harnessed to the fullest, so that local parties and governments really feel ownership of the transformation of their environment. This should be accompanied by effective coordination at regional level to achieve synergy benefits. Enabling this national direction is necessary and desirable. Therefore, we offer our 100 test sites as model projects that make the connection between abstract national policy and local obstinacy. Use this imagination to make not only professionals, but also all citizens, part of the great transformation of the Netherlands. Only then can the Netherlands be made.

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The Ministry of Make! is at your disposal as a platform to make the connection between the big tasks the Netherlands is facing now, the local areas that need to transform, and a large community of designers, city architects, architecture centers and institutes that are needed to imagine and make this future.

Sincerely,

Het Ministerie van Maak!

Elma van Boxel en Kristian Koreman / ZUS
Stephan Petermann / MANN / VOLUME
Saskia van Stein / IABR

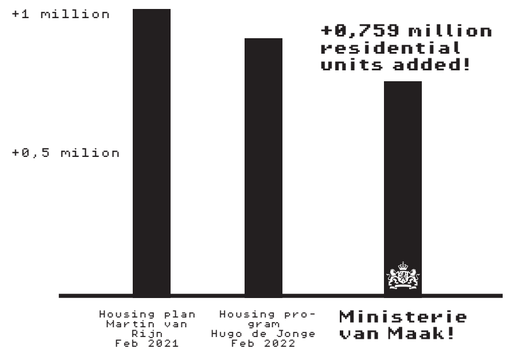
Elma van Boxel en Kristian Koreman / ZUS
Stephan Petermann / MANN / VOLUME
Saskia van Stein / IABR

On behalf of the participating teams, municipal and government architects and architecture centers of the Netherlands:

Floris Alkemade/ '...de periferie of niet'/ Art of Cities/ Bedaux de Brouwer/ B-invented/ Biopolis/ CATON x C'MON x INSCAPE/ CITYFÖRSTER/ CLUSTER + Kobus de Bruijne/ Collage City NL/ COMPLICIT/ Dam & Partners Architecten/ De Kloof/ De Urbanisten/DEDRIE architecten/ Denkkamer/ Dérive/ Dirk Sijmons, Ro Koster en Herman Kossmann/ Echo Urban Design/ eco-centric exploration/ Een andere toekomst voor Schalkwijk/ el KANTOOR/ etmol/ Experimentele Woningbouw Re-imagined/ Failed Architecture / Loom/ FARO Architecten/ Flux landscape architecture/ GEAR/ GrownDownTown/ Guis Architectenwerk/ H+N+S Buiting Advies en Roosemalen & Savelkoul/ Het Poldermodel/ Huibers van Weelden Architecten/ Inbetween Collective/ Inbo: Maaksimaal/ Independent School for the City/ IRIX/ JDWA/ Jin-ah, Noa & Jurriënne (JNJ)/ Jona 2oin2040/ KOLLEKTIEF/ la-di-da/ Lectoraat SAST/ LMNL/ Lokaal 6/ Lokalen/ M & DB / LRvH Architecten/ MAAT - FELT/ md2-architects/ Mei Architects and Planners/ MLA+/ MORE ARCHITECTURE/ Must Stedebouw/ MVRDV /NadiaNena & TKA atelier/ New Frontiers/ New Urban Networks/ New World Architecture/ Nieuw Pampus Revisited/ NL Neutraal/ OD205/ Ootmoed/ Operatie Transformatie - Dividual/ Paradijs/ Patina Architecten/ planners heidag/ PosadMaxwan strategy x design/ Raar maar waar/ Ralph Cloot + Shan Shao/ Regeneration by TRAJECT/ Rijnboutt/ rotative studio/ Sectie-C/ Shift Architecture & Urbanism/ SMAL/ Special Projects/ Studio ACTE/ Studio GAAGA/ Studio Iza Slodka/ Studio Nauta/ STUDIOOS+/ Studiospacious/ TAAK/ Team 2.68/ Team Noord/ Tropical NL/ Urhahn/ VAKWERK/ Vals Plât/ van Bergen Kolpa Architecten/ VDSVT/ WARP/ Willem de Kooning Academie/ Wissing/ Wonen in werklandschappen/ XML/ ZJB / Zeelandstad/ ZOETMULDER

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National residential planning ambitions



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Main planning strategies used in test sites

Test site integrates agriculture and housing
37%

Living integrated with new forest development
37%

Living integrated with new water development
35%

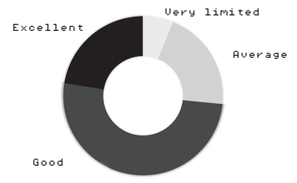
Densification within existing urban fabric
20%

Redevelopment of existing industrial lots
6%

Miscellaneous
12%

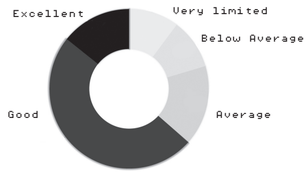
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What about the proposal's spatial quality?



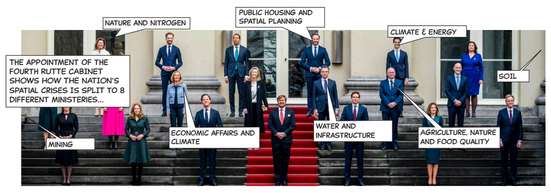
73%
Good / Excellent

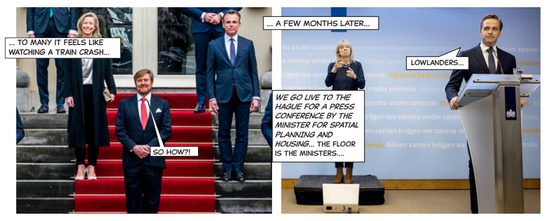
So... let's build it? Is there potential for actual development?



65%
Good / Excellent

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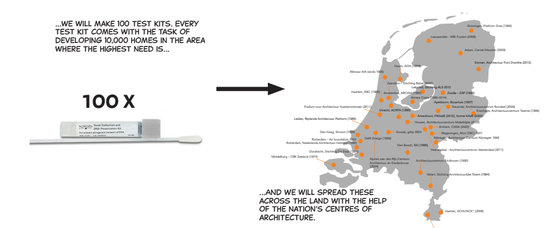




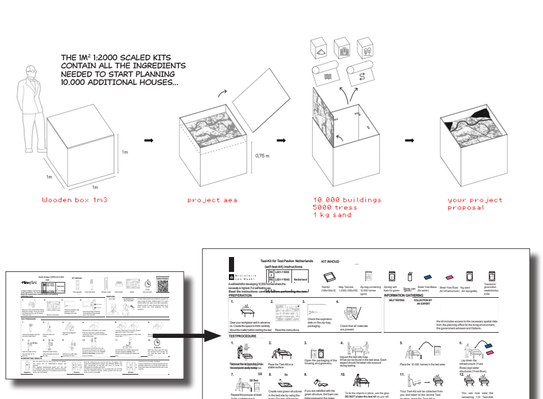
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...AND COME WITH AN INSTRUCTION MANUAL WE ARE ALL BY NOW MORE THAN FAMILIAR WITH...

...INCLUDING SOME GROUND RULES TO ENSURE VITAL PUBLIC VALUES ARE REPRESENTED AND ACTIVATED...

1. Choose a location inner city , outskirts , rural areas.
2. Make a climate resistant landscape (+2m sea level rise).
3. Make a mobility concept, public transport or available smart mobility.
4. Make public space ,streets , squares, parks.
5. Make services civic centre food work culture data,waste.
6. Make space for 10.000 homes type catalogues.
7. Make energy solarpower , windturbines.

When presented with conflicts on interest, we will choose for the most sustainable solution.

Work from underground to on the outer, then return to the underground and repeat.

When there are double / overlooking a place there are no other available spaces.

The ministers is aware of the various layers of existing planning that are subject to. The designers will not have to necessarily have to comply with the existing planning.



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The carefully developed self-test kits ready for testing by the 101 participating teams.



Team Gabriël Verheggen en Willem Hein Schenk receiving their 1M2 1:2000 scaled kit of Haarlem Zuid.

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Self testing in action.

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Birds eye view of the 101 proposals reunited in the biggest scale model of the Netherlands.
Photos by Paul Swagerman

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Festive opening of the exposition Ministry of Make! during the 10th International Architecture Biennale Rotterdam.
Photos by Aad Hoogendoorn

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Presentation of the 100 design proposals to the public.
Photos by Aad Hoogendoorn

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The Ministry of Make is an initiative by the International Architecture Biennale Rotterdam, ZUS, and MANN. The Ministry of Make is supported by the Ministry of the Interior and the initiators. The Ministry of Make! thanks its sponsors: Ministry of Education, Culture and Science (OCW), Ministry of the Interior and Kingdom Relations (BZK), Municipality of Rotterdam, Abe Bonnema Stichting, Job Dura Fonds & VIC Landscapes. Special thanks to Aziz Yagoub/Revolt and all participants.

IABR Saskia van Stein, Vivian Ammerlaan, Noortje Jansen, Maaike Menheere, Yonca Özbilge, Greg Vyent, Hannah Leferink
ZUS Elma van Boxel, Kristian Koreman, Willemijn van Manen, Antonia Cangosz, Della Rajabpour, Sarah Jager
MANN Stephan Petermann, Idil Gökgöz

Locatie*	Bureau
J19	Art of Cities
O11	B-invented
L11	Bedaux de Brouwer
I14	Biopolis
S23	buro MAAN
R16	CITYFÖRSTER
K21	CLUSTER landschap & stedenbouw + Kobus de Bruijne
B12	Collage City NL
K20	COMPLICIT
Q3	DEDRIE architecten
N21	Dam & Partners Architecten
K21	De Kloof
J12	'...de periferie of niet'
H15	De Urbanisten
R9	Denkkamer
C10:	Dirk Sijmons, Ro Koster en Herman Kossmann
P23	Dérive
H12	Echo Urban Design
F17	eco-centric exploration
I20	Een andere toekomst voor Schalkwijk
L15	el KANTOOR
N11	etmol \ less land use
R19	Experimentele Woningbouw Re-imagined
M28	FARO Architecten
	Floris Alkemade
022	Flux landscape architecture
P30	GEAR
W26	GrownDownTown
I16	Guis Architectenwerk
P9	H+N+S, Buiting Advies en Roosemalen & Savelkoul
016	Huibers van Weelden Architecten
R8	IRIX
L18	Inbetween Collective
H17	Independent School for the City #1
F15	Independent School for the City #2
I19	Inbo: Maaksimaal
S19	JDWA
O16	Jin-ah, Noa & Jurriënne (JNJ)
O17	Jona 2oin2040
K20	KOLLEKTIEF
W26	la-di-da
X19	Lectoraat SAST
M12	LMNL office
H17	Lokaal 6
V17	Lokalen
R7	MAAT-FELT
H18	md2-architects
J12	Mei Architects and Planners
H16	MLA+
R3	MORE ARCHITECTURE
I22	MUST
L17	MVRDV
K23	M & DB / LrvH Architecten
R23	NL Neutraal

Locatie*	Bureau
W20	NadiaNena & TKA atelier
P22	New Frontiers
Q5	New Urban Networks
N23	New World Architecture
F12	CATON x C'MON x INSCAPE
L20	Nieuw Pampus Revisited
R4	OD205
P29	Ootmoed
G17	Operatie Transformatie - Dividual
L20	Paradijs
I14	Patina Architecten
T26	Planners heidag
M21	PosadMaxwan strategy x design
Q4	Raar maar waar!
R3	Ralph Cloot + Shan Shao
S15	Regeneration by TRAJECT
	Gezond gebied en Circulair Floating Districts
Q3	Rotative Studio
B11	Rijnboutt
U22	SMAL
R27	STUDIOOS+
010	Sectie-C
H16	Shift Architecture & Urbanism
R19	Special Projects
T26	Studio ACTE
X20	Studio GAAGA
L12	Studio Iza Slodka
M24	Studio Nauta
P24	Studio Ossidiana
W19	Studiospacious
N12	Super park
N22	TAAK [Tienduizend Aanvullende Architectonische Klimaatbestendige-woningen]
L11	Team 2.68
V32	Team Noord
J25	Tropical NL
P16	Urhahn
X31	VAKWERK
R15	Vals Plât
K19	VDSVT
S23	WARP
H22	Wild kit
H15	Willem de Kooning Academie
I15	Wissing
K21	Wonen in werklandschappen
J27	XML
H11	ZOETMULDER
C13	Zeelandstad
S18	ZJB: Ivar Branderhorst

*Please see map on page 16/16

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