

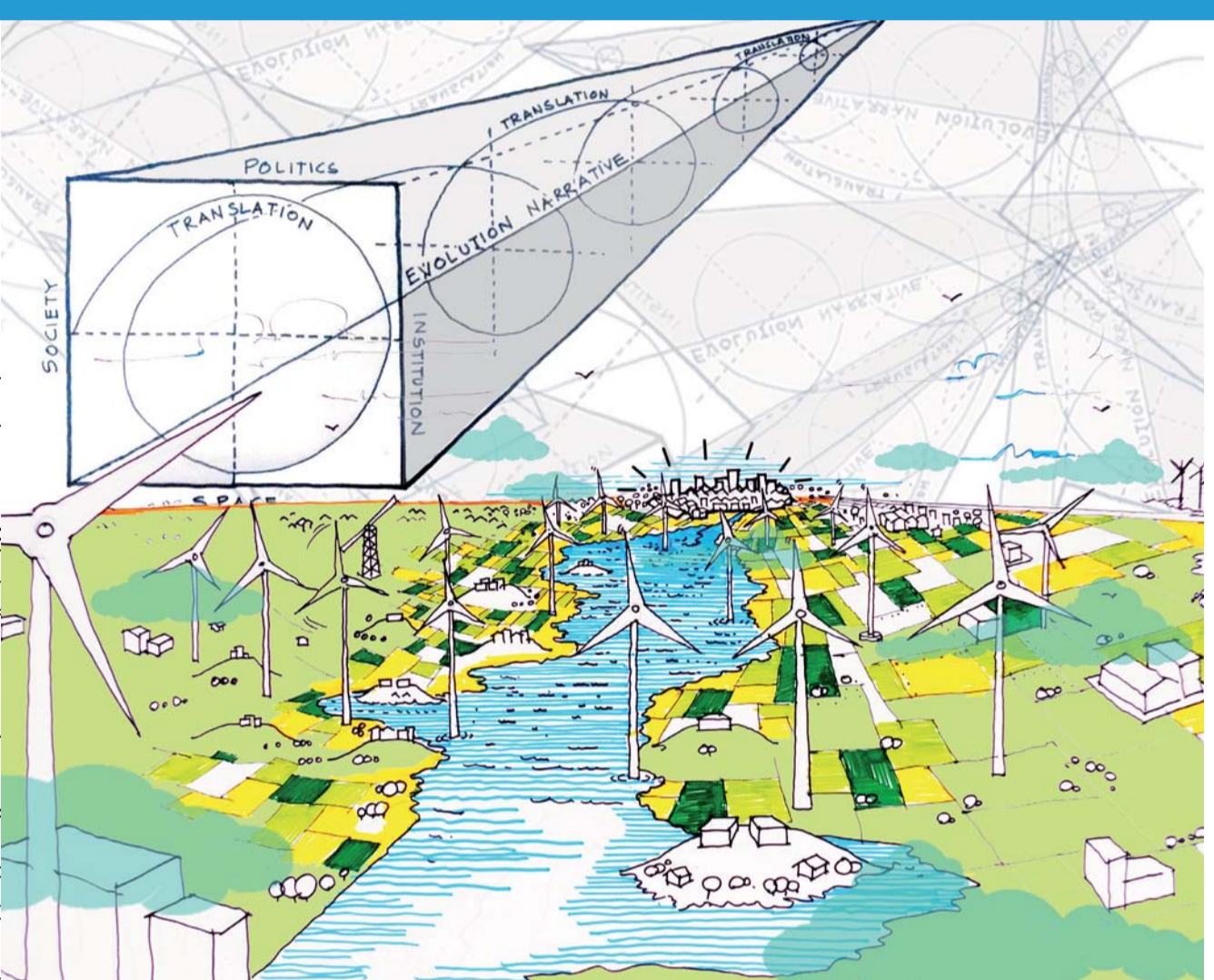
TRANSFORMING THE ENERGY TRANSITION

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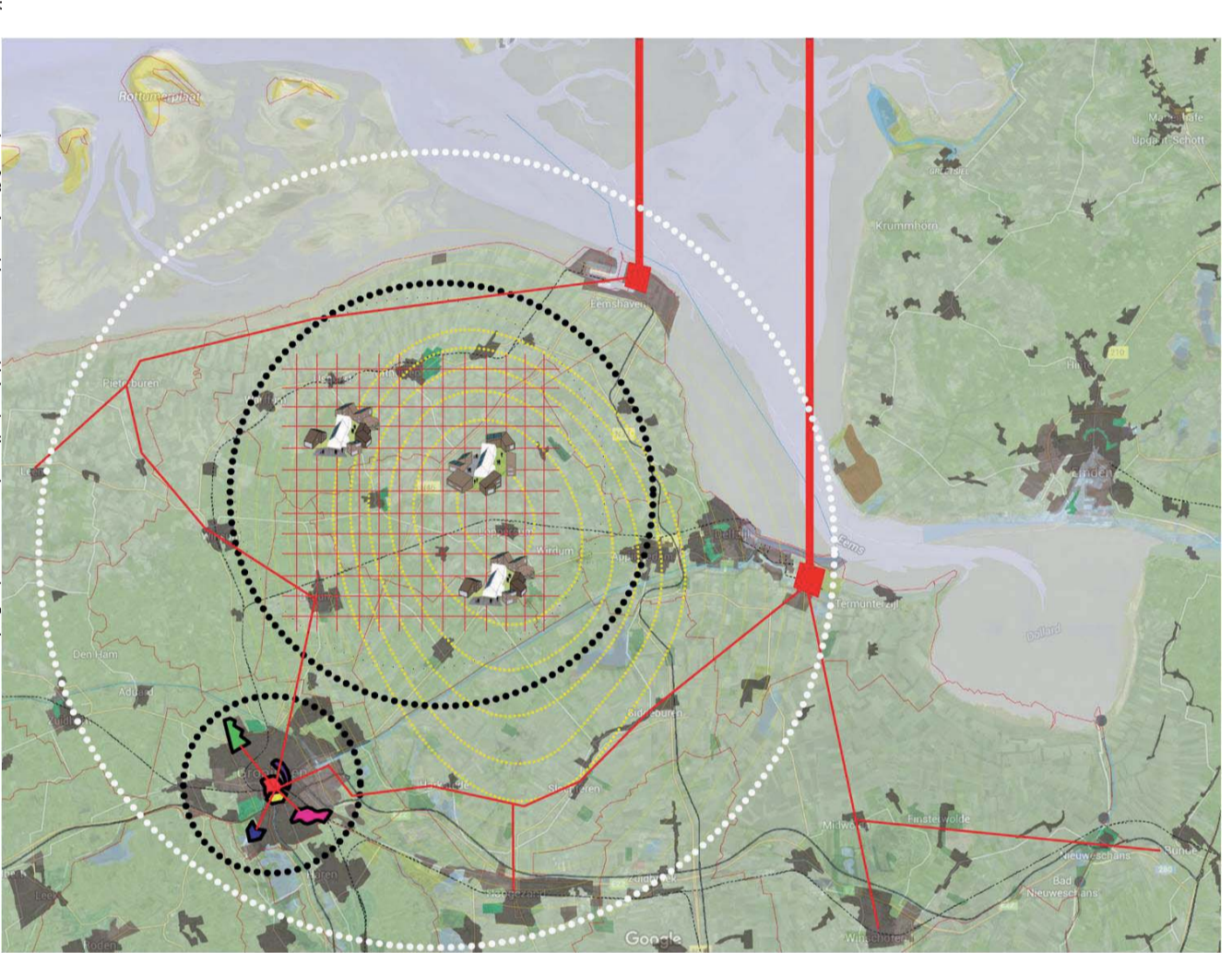
PREPARATION PROCESS



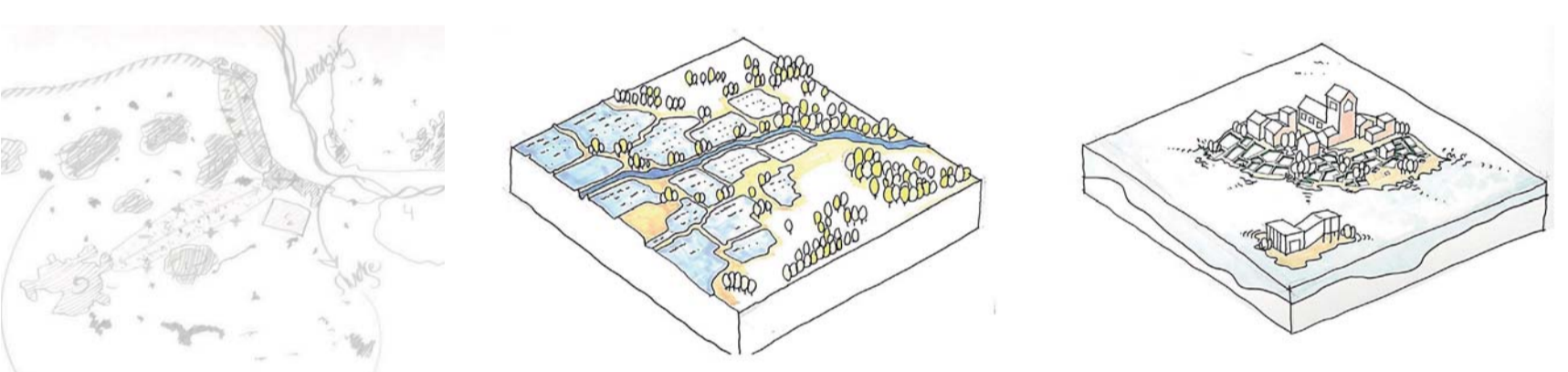
OUTCOME



- THE ENERGY TRANSITION NEEDS A PLACE
- MANY PLACES NEED THE ENERGY TRANSITION
- MORE WASTE A GOOD CRISI
- DESIGN AS POLITICS-POLITICS AS DESIGN
- LETS REINVENT PLANNING-TRANSLATING POLITICAL GOAL, SOCIETAL DREAMS + SPATIAL REALITIES INTO A EVOLVING NARRATIVE OF LANDSCAPE + SOCIETY



THE SMOOTH OPERATOR

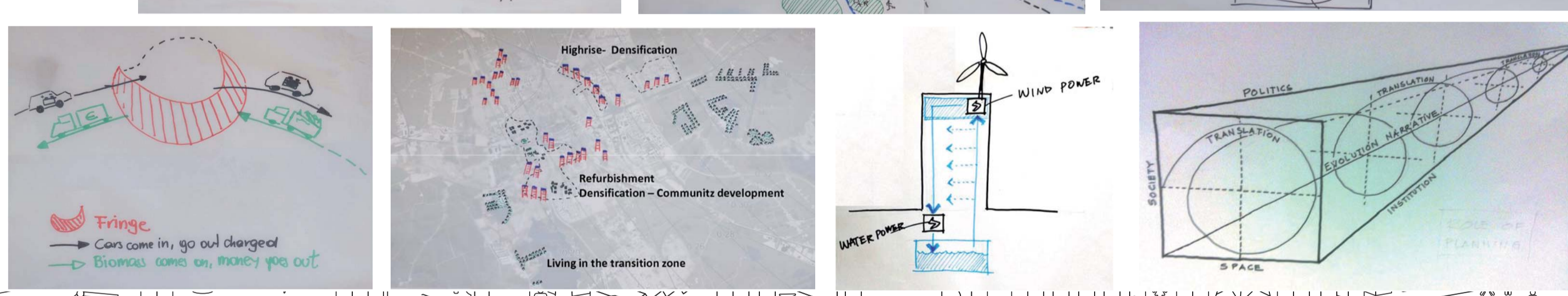


FLIPPING THE ENERGY SYSTEM (COLLECTIVE SELF-SUFFICIENCY)

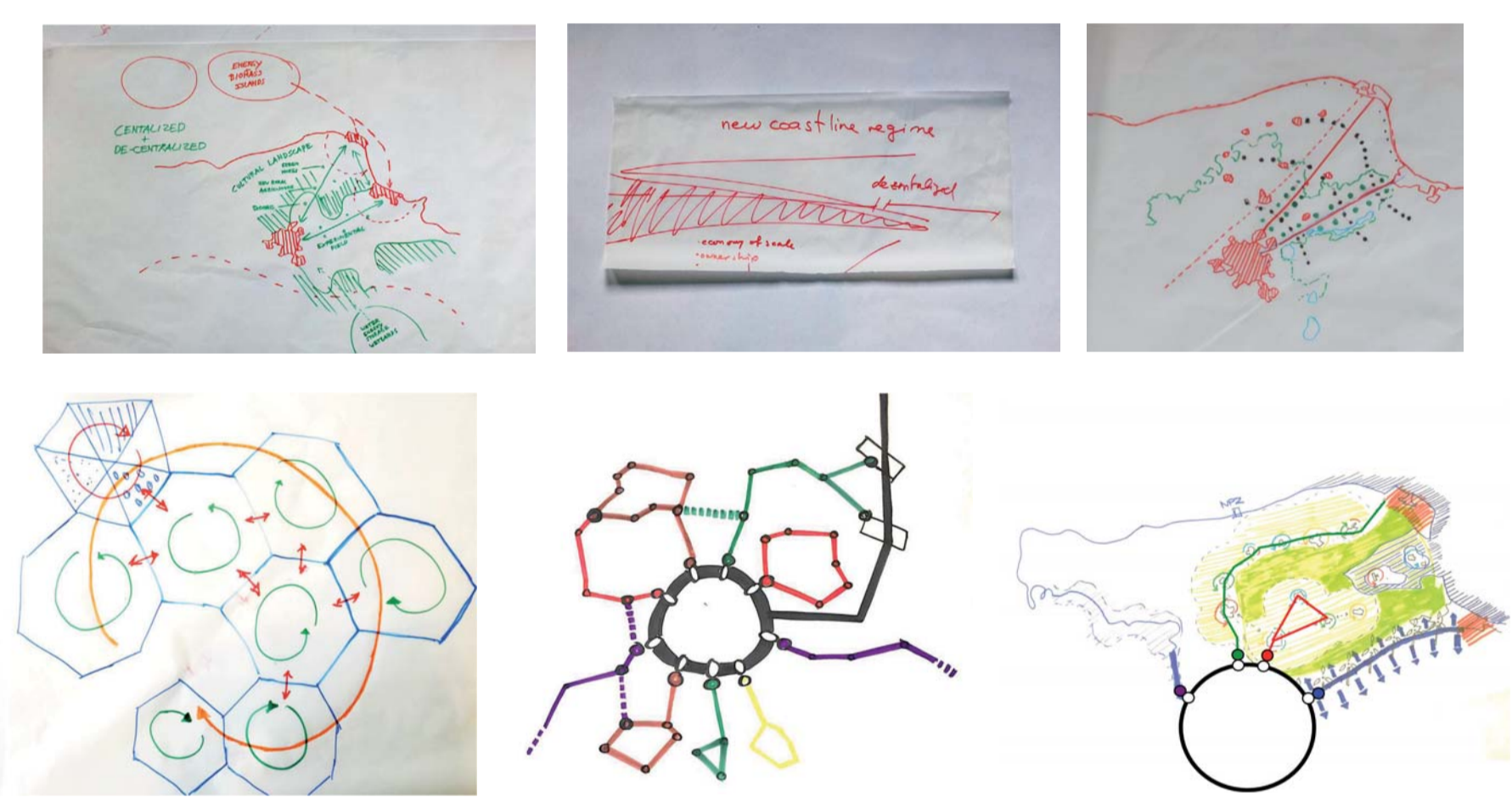


ENERGIZED POLYCENTRALITY

TRANSFORMOON



RURAL RENEW-ABLES



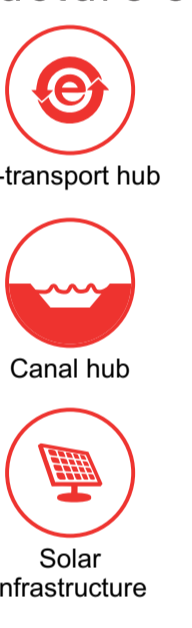
Urban energy landscapes



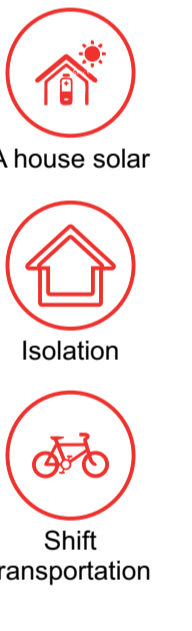
Energy city batteries



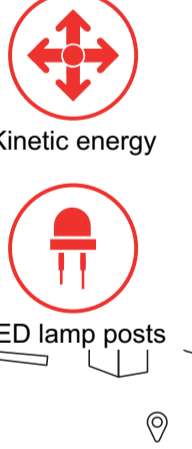
Infrastructure energy



Consumer energy



Raising awareness



SUMMARY

Listed as one of Europe's most liveable cities, Groningen is surrounded by a contrasting region. Economic stagnation and population decline accompany urgent challenges due to gas-induced earthquakes. In this charged societal context, the Groningen region aims for energy neutrality. It is a move polarizing society, with people fearing the future.

We transformed the vast spatial challenges of the energy transition into a promising perspective for city and region. A future where the region transforms from an earthquake wrecked society into one using its unique environment of wind, water, agriculture and strong sense of community to be a proud island of energy innovation. The city benefits, but

also provides. Strengthening its compact qualities towards an energy efficient urban fabric, while using its urban fringes for producing biogas, heat and solar energy. Groningen as the niche of innovation of how spatial transformations can surf on the waves of the energy transition.

FUTURE



Do we want to sacrifice our open landscapes for energy production?

DESIGN AS POLITICS

CAN TRANSITION ADD VALUE TO THE CITY FRINGE? SAME PANELS FOR THIS!

Do the math. Consider the System

regionale circulaire economie

Do you want a better future, start now!

LET'S USE THE POWER OF GRONINGEN

How can we use residual heat in an empty area like Eemshaven?

LOCAL, LOCAL, LOCAL - ENERGY, FOOD ECONOMIC PLAN FOR THIS!

A CITY WITH GREAT POTENTIAL WAITING TO BE TRANSFORMED INTO AN EXAMPLE FOR SUSTAINABLE FUTURE!!

ENERGY AWARENESS TOWARD THE ENERGY PRODUCTIVITY

IT IS ALL ABOUT PEOPLE

EVOKE SHARE

Include energy planning in strategic policy spatial strategies

If we could switch to gas in a decade, switching to solar is possible

3. EU's Policy FOR MEMBERS TO HAVE 90% OIL DEMAND

CRISIS AS EXTREME NORMALITY: -> How to LEARN FROM...?

use the corresponding power and interests

SURROUND YOURSELF WITH THE DREAMERS AND THE DOERS TO MAKE THE ENERGY TRANSITION POSSIBLE

energy transition is not the goal, it is the impulse for more

Towards a BioBased Society system integration by connecting people