Composite Countryside

/ a shed for production
/ a project of reading landscapes
research project
A Project of Reading Landscapes

design project
A Shed for Production
research project
A Project of Reading Landscapes
architect: Toomas Rein
completion: 1977
Today, a hyper-Cartesian order is being imposed on the countryside, enabling the poeticism and arbitrariness, once associated with it, to now be reserved for cities.

The countryside is now the frontline of transformation. A world formerly dictated by the seasons and the organisation of agriculture is now a toxic mix of genetic experiment, science, industrial nostalgia, seasonal immigration, territorial buying sprees, massive subsidies, incidental inhabitation, tax incentives, investment, political turmoil, in other words more volatile than the most accelerated city.

over-rationalisation
(source: ICON magazine, september 2014, Rem Koolhaas goes to the countryside)

over-romanticisation
(variety of tourist brochures marketing Estonian nature and the countryside)
seasonal functioning of the homestead
dwellers' impact on landscapes
6.1 COUNTING RESOURCES

6.2 GEOGRAPHIC AGENTS

Mappings
1. Getting to know the countryside as a centre of its own with its own dynamics and formative logic

2. Dualities such as individual/collective, private/public, strategic/scenic become less rigid on landscapes. They are overruled by fluid spatial and social dynamics that are implicitly but collectively understood

3. Countryside landscapes are processes and activities rather than stable scenes

Conclusions
design project
A Shed for Production
- program
- scheme
- stage 1: the spine
- stage 2: the shell
- sequence
1. the ruin
2. the clubhouse
3. part of a manorhouse built into apartments
4. derelict large-scale farming structures
5. parking
6. lawn
7. 19th century manor house park
//
1. Engaging the design with its locality, therefore engaging it with landscapes
   //
2. Benefitting from fluidity, Approaching all layers
   //
3. Embracing minority
   //

Intentions
The shed
specificity to accommodate a function and a series of unforeseeable activities
linen factory

wood workshop

distillery

Productive programs
1. raw material from the region - rye, water, energy

2. waste products used as futter and fertilisation

3. seasonal: production mainly takes place between October and May

4. productive museum

approximate capacity:
60 000 litres/year (84 000 bottles)
= 30-50 hectares of fields
Production process
Current situation
Existing structure

- representative part
- offices
- boiler house
Existing structure
full axonometry

Plan
Floor
1
16 15 13 12 11 9 8 7 6 5 4 3 1
4000.00 6000.00 3070.00 6140.00 6140.00 6140.00 6140.00 3000.00 9000.00 4500.00 1500.00 2000.00 1160.00 4000.00 3600.00
Auditorium and grill bar

collaged view
what is kept
1st stage - the spine
supporting the existing, accommodating the new
2nd stage - the shell
protecting the ruin, accommodating the new
1st stage - the spine
enhancing the horizontality of the existing beams
1st stage - the spine
conceptional collage
1. connecting by stacking

2. brick-concrete connection

constructing the spine
characteristic details
Connecting by stacking precast elements

1. Precast elements

2. Stacking of the existing and added concrete beams
Brick-concrete connection
precast meets in situ

1. Silicate brickwork
2. Precast concrete structure embedd diagonally into brickwork

Prefab concrete column with grooves for brickwork fitting
Bricks laid 45-degrees with longer side, corners filled with mortar
Heating concept
integration into the spine
The ruin as found
an open structure
Initial inspiration transformed into design decision
The shed as schutzbau
preserving the current
2nd stage - the shell

structural logic
Branweerpost Berendrecht by Bovenbouw Architekten

- Insulated timber corner detail
- Corrugated metal leaf
- Timber structure
- Cold deck roof
- Existing concrete beams
- Separating timber wall
- Timber structure (insulated where necessary)

insulated structure
interior materialisation
Ventilation concept
South elevation
A Shed for Production

Composite countryside

2015