Smart Urban Isle:
Maximaal lokaal duurzaam
= maximaal benutten lokale bronnen

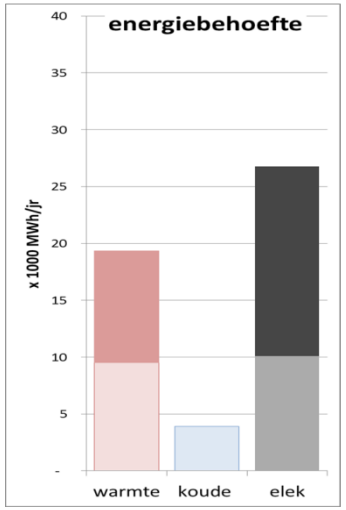
Case studies:

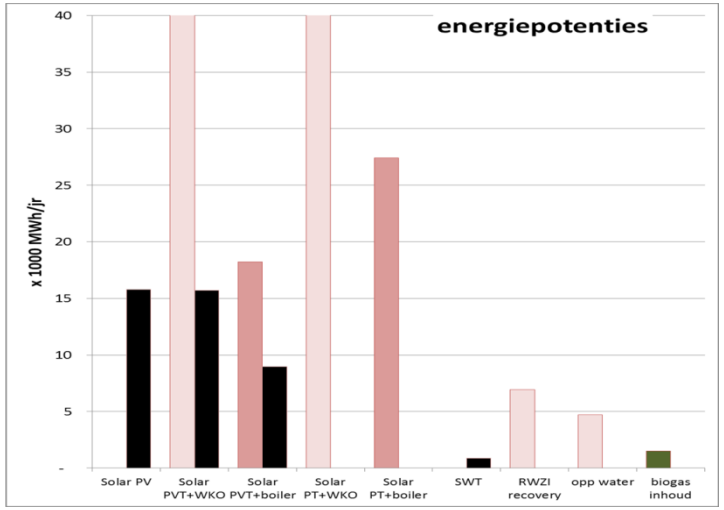
Gemeente Haarlem

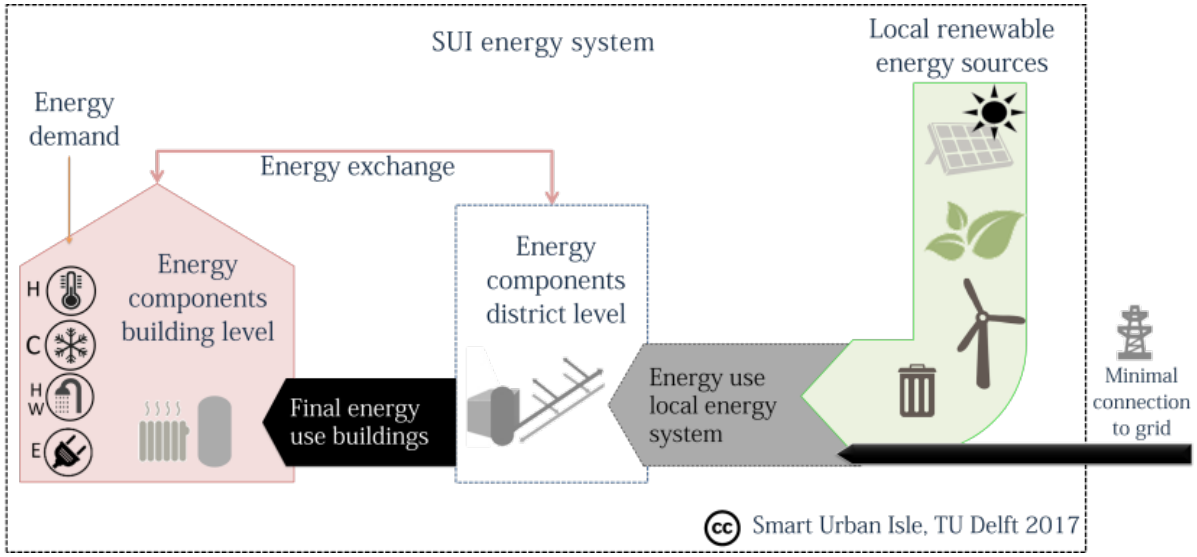
Ramplaankwartier
Bestaande bouw

Gemeente Amsterdam

Strandeiland
In ontwikkeling

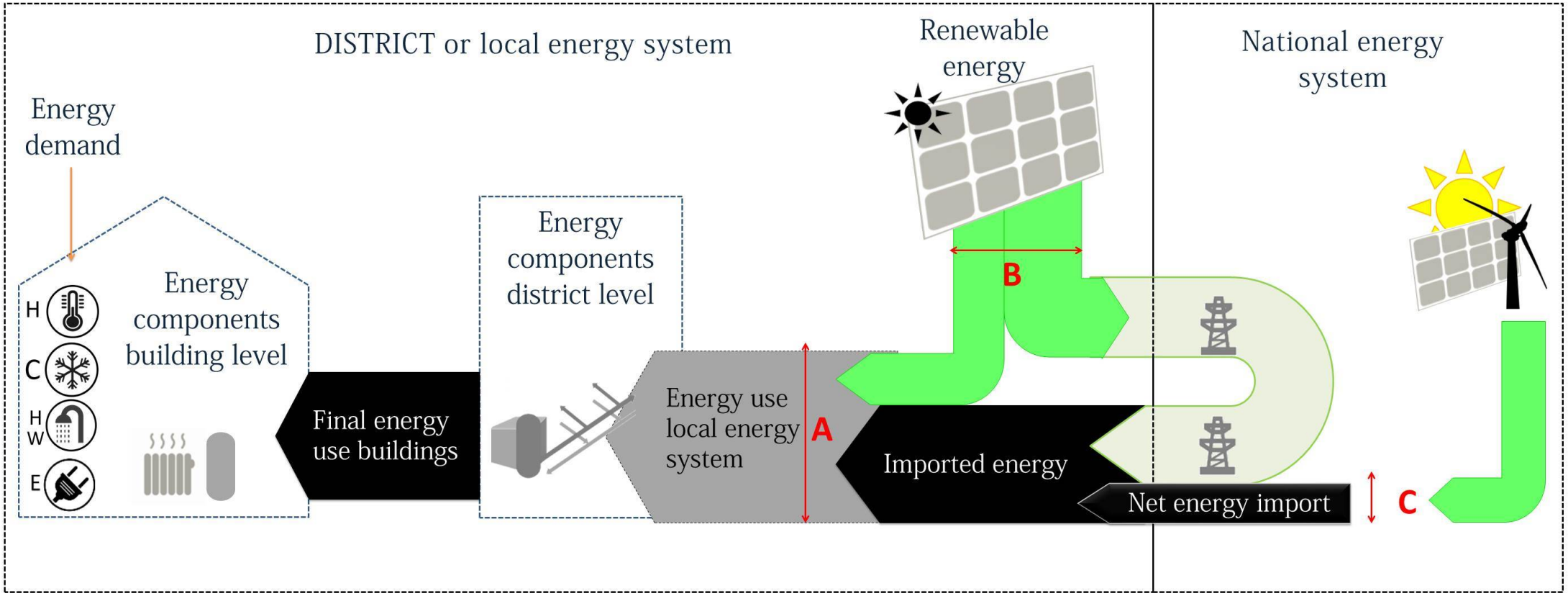






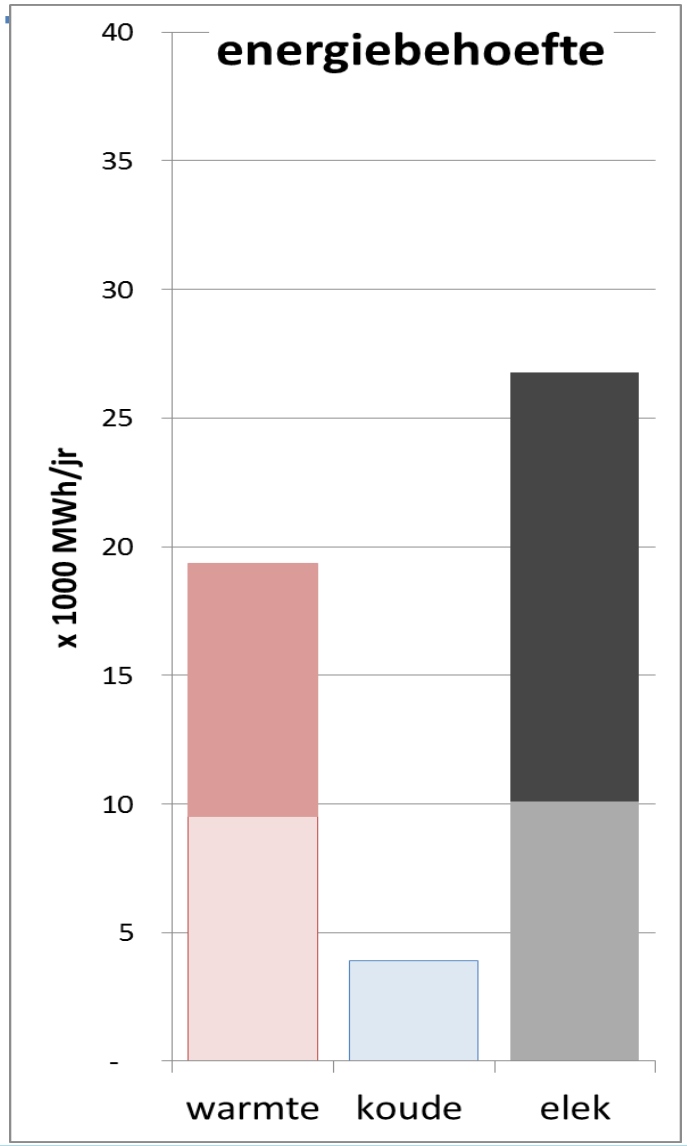
Team faculteit Bouwkunde:
Sabine Jansen, Regina Bokel, Saleh Mohammadi, Benedetto Nastasi, Andy van den Dobbelsteen

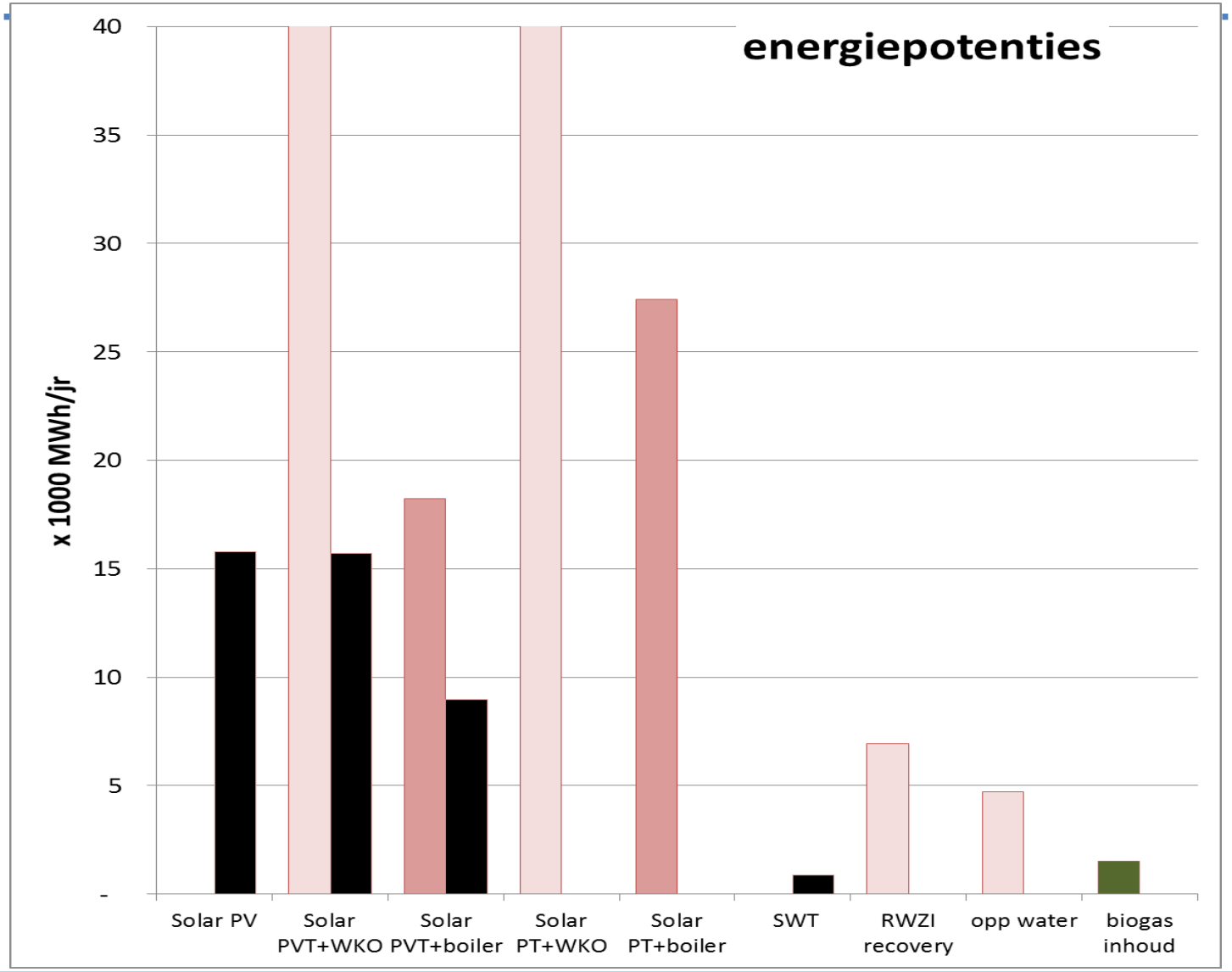
Aim: a locally balanced energy system



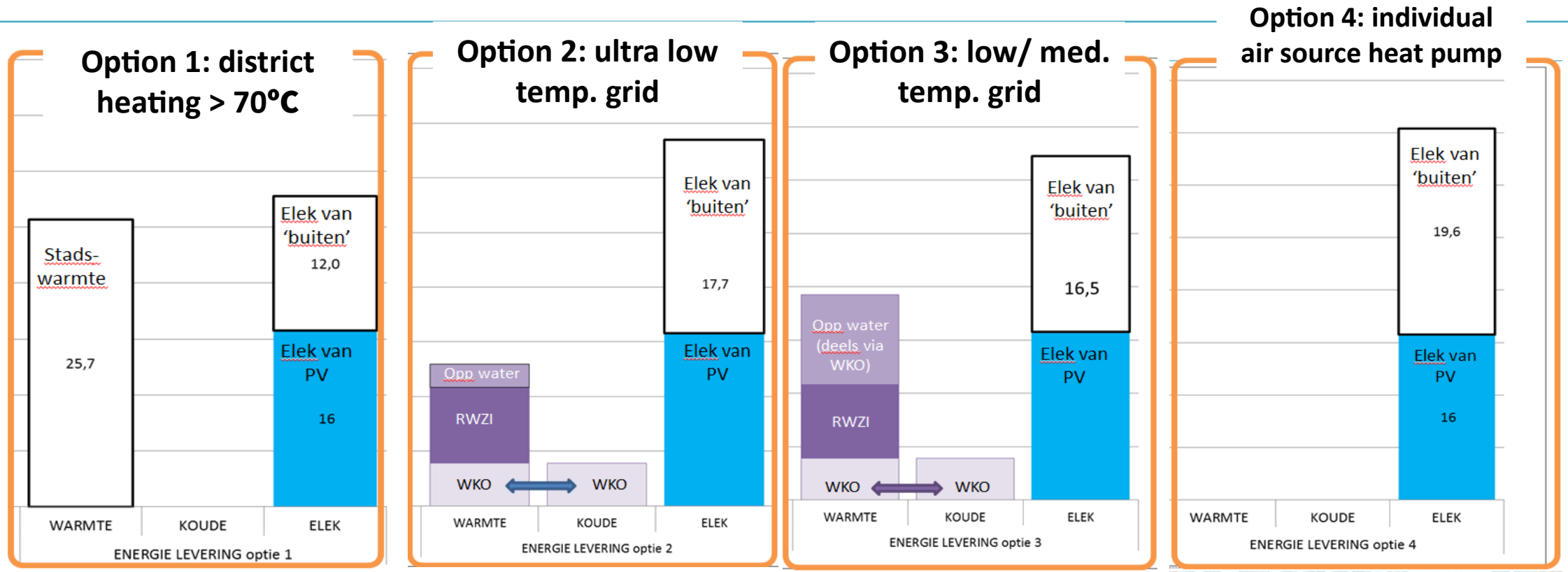
Sabine Jansen, TU Delft 2017

1c Production potential (energy potential mapping)





Comparison external energy need



	Option 1: district heating	Option 2: ultra low temp. grid	Option 3: low temp. grid
CO_2 now ton/yr	Heat (CHP) + elek (nat. grid) (2.514 + 5.874) = 8.388	Heat (local) + elek (nat. grid) (0 + 8.608) = 8.608	Heat (local) + elek (nat. grid) (0 + 8.064) = 8.064
Future fitness	?	?	?