2011 THIRD PLACE

Boris Morin-Defoy
separating the road from the desert, the kinetic wall arises, sheltering individual units as it gathers water and energy from its site. It recharges the units which then are free to depart in the desert thus forming ephemeral configurations of clusters and isolated dwellings in the vast open space, until they come back to reattach to the mother envelope.
THE WALL
as gatherer of wind, water and sun

WIND
creating a kinetic visual and auditory barrier between
the district and the road the wall formed of thousands of
solar panels vertical axis wind turbines collects wind power
as it gives a music effect to the passing traveler

WATER
rain water falling on the roof is redirected
in the storage tank and pumped in the
system, treated and re-pumped

SUN
photo-voltaic panels on the roof gathers solar
energy which is stored in unit batteries monitored
for a general system, the energy can be given back
to the envelope in peak demand periods

SUN
photo thermal modules captures solar
heat which can be used for the
domestic hot water supply and for
winter space heating

WIND
As the wind energy is stored in the
movable unit batteries, the wind is
allowed to cool down the photo-
voltaic system