

MODERN INDUSTRIAL HERITAGE: A CATALYST TO NEW SUSTAINABLE DEVELOPMENT

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Research Plan

Objective: Re-develop nonfunctioning modern industrial landscapes (coal-powered plants) to integrate them within the expanding city and create a multi-cultural hot-spot promoting circular and sustainable future.

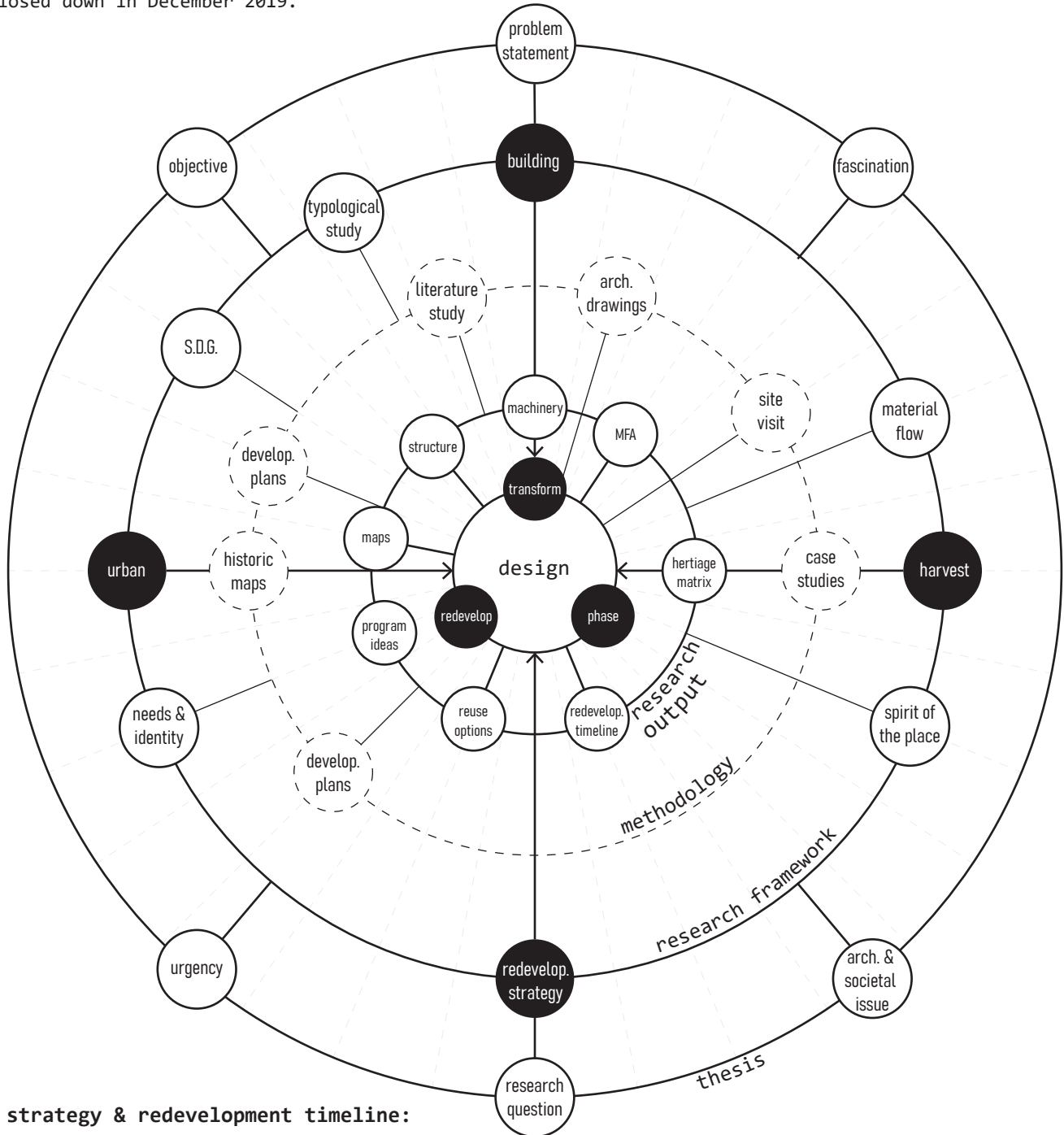
Research question: How does the refurbishment of vacant coal power plants using existing structures and materials on site promote sustainability and circularity in social way?

Site: Vattenfall coal power plant in Amsterdam is the site chosen as primary source and design site. This power plant closed down in December 2019.

Design strategies: Redevelopment strategies can vary on several layers and can adopt various strategies like minimal intervention, minimal demolition & dismantling, planned reuse and full decommission.

The re-use strategies will be developed by understanding the urban contexts, heritage value matrix assessment and redevelopment strategies.

Repurposing essential facilities and machinery, reusing materials available on site, integration with the neighbourhood, creating a cultural hot-spot for the city and the neighbourhood.



Design strategy & redevelopment timeline:

