GRADUATION PLAN

PERSONAL INFORMATION
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GRADUATION STUDIO
Name / Theme: Delta Interventions: San Francisco Bay Resilience/Adaptation by Design  
Teachers: Taneha Kuzniecow Bacchin, Stefan de Koning, Sjap Holst  
Argumentation of choice of the studio: I chose the studio out of interests in Water-related Design and Flood Resilience Interventions within a complex urban context.

GRADUATION PROJECT
Title of the graduation project: Resilience by Design - Pier 70 Delta Center in San Francisco

GOAL
Location: Pier 70, Central Waterfront, San Francisco, the United States.  
The posed problem, research questions and design assignment in which these result:
The posed problem is how to reveal the site value of Pier 70 in a way not only preserve its industrial quality but also emphasize its role as a significant part of the waterfront of San Francisco. In addition, sea level rise and flood risk are also factors that will effect Pier 70's transformation. The research question is what place can Pier 70 possibly become in relation to transforming under socio-economical context and natural risk pressure. So it is my motivation to protect historical industrial areas by designing protection together with the renovation of industrial buildings to give them new functions and enable them to adapt flood risk and sea level rise.

PROCESS
METHOD DESCRIPTION
Mapping:
Analysis Bay Areas
a. Macro-scale: Bay area (3x3x3 analysis)  
b. Meso-scale: San Francisco City, District (land use, inundation)  
c. Micro-scale: Project Site (accessibility, land use)

Historical Building Rating
Sketching
Diagram Drawing
Literature Study/Case studies and references
Modeling: District Model 1:3000

LITERATURE AND GENERAL PRACTICAL PREFERENCE


REFLECTION

RELEVANCE
The renovation plan for old industrial areas in San Francisco will:
1. provide protected place for incoming new business, while providing amenities for any potential users
2. create a vibrant, open water front for public activities
3. reactivate Pier70 by revealing its historical value

TIME PLANNING
After P2:
Feb.: Evaluation on problem statement, goal together with design concept.
Mar.: Evaluation of design and research; definition of additional studies for the final design stage
April.: Development of design, in relation to:
- volume refining, space relations
- material, structure
- structure, climate design and details
May.: Further development of design
June to September: Final Refinement of design