Masters's thesis at the Lucerne School of Engineering and Architecture

Title	Cargo en Flux: A Divergent Logistics Paradigm for Switzerland and Luzern
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The underground logistics project Cargo Sous Terrain has quickly become an accepted part of a Swiss infrastructural future without a critical reflection on its fundamental logics. Logistics has become an increasingly integral part of urban life and its processes, successfully and abstractly navigating the various infrastructures that support it. Cargo en Flux is an alternative paradigm to Cargo Sous Terrain that speculates on a divergent infrastructural future for Switzerland and specifically the agglomeration of Luzern. Resisting the Swiss impulse for tunnelling, Cargo en Flux places its infrastructure at surface level so that it might have a meaningful interface with the public life that it has become such a key part of. This divergent paradigm makes the argument that by treating infrastructure as a designed ecology, the network of city distribution infrastructure can become an 'urban generator', while also promoting a healthier relationship with the complex network of logistical flows. The Cargo en Flux paradigm finds 'bundling' to be essential for both achieving network efficiencies and developing a rich urban interface with the infrastructural ecology.

Place, date

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SITE PLAN AS EXISTING 1:2000



SITE PLAN AS PROPOSED 1:2000



BAHNHOFPLATZ





FLOWS 1:500









PROGRAM 1:500



STRUCTURE 1:500





HALL OF FLOWS 1:500



PLATZ DER STRÖME



EXCHANGE





GROUND FLOOR PLAN 1:200

MARKTBRÜCKE

INDUSTRIEHALLE

WEST ELEVATION 1:200

THIRD FLOOR PLAN 1:200

SECOND FLOOR PLAN 1:200

FRONTIER

COMMERCIAL/RESIDENTIAL ROOFSCAPE

SECTION Z-Z 1:200

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A WOUND THE LENGTH OF SWITZERLAND

DISTRIBUTION INFRASTRUCTURE AS URBAN GENERATOR

NETZWERK SCHWEIZ

ARTERY

ACTIVE POINT

CITY LOGISTICS CONCEPT

SPUR

PASSIVE POINT

DISTRIBUTION CONCEPT

NETWORK LUZERN, AS EXISTING

CARGO EN FLUX NETWORK LUZERN, AS PROPOSED

ACTIVE PASSIVE NETWORKS