

# MNTRL TRMNL

CONNECTING COMMUTERS AND RESIDENTS BY MERGING FLOWS



**THRESHOLD**  
Green Bridge overlapping the highway and reconnecting two communities which were previously divided by the road.

We approach this dynamic landscape by highlighting its features. By using airport terminology to communicate and enhance the activities of the site, a reference well known to most users, we created TERMINALS and GATES to design the corridor between the airport and downtown Montreal. TERMINALS represent the merging of flows charted in our study; flows of transport and commuters, water, energy sources, flora, fauna and urban activity. Tracing the FLOWS, extended from the airport to downtown, we invite the users to land and take-off at "different speeds" and experience different themes of each TERMINAL.

Nine TERMINALS with different identities have been created. TERMINALS define themes at the regional scale and GATES offers solutions at the local scale. Starting a journey from the airport, TERMINALS offer a succession of activities, and a countdown toward the centre from T8 Airport, to T0 Centre.

For example, when the nature flow crosses the traffic flow, a "Green Bridge" overlaps the highway. It is from this combination that T7 "Threshold" emerges, a natural span that frames the skyline from the driver's perspective and creates a natural belt that links two communities separated by the highway, welcoming you to Montreal.

The urban TERMINALS consist of a series of functional landmarks addressing different regional issues such as enhancing biodiversity, celebrating water heritage, treating local waste and offering cultural venues. Acting as beacons, TERMINALS lead residents and visitors to dynamic sites, encouraging them to celebrate the enhanced characteristics of the area, while guiding to other TERMINALS and their possibilities within the corridor.



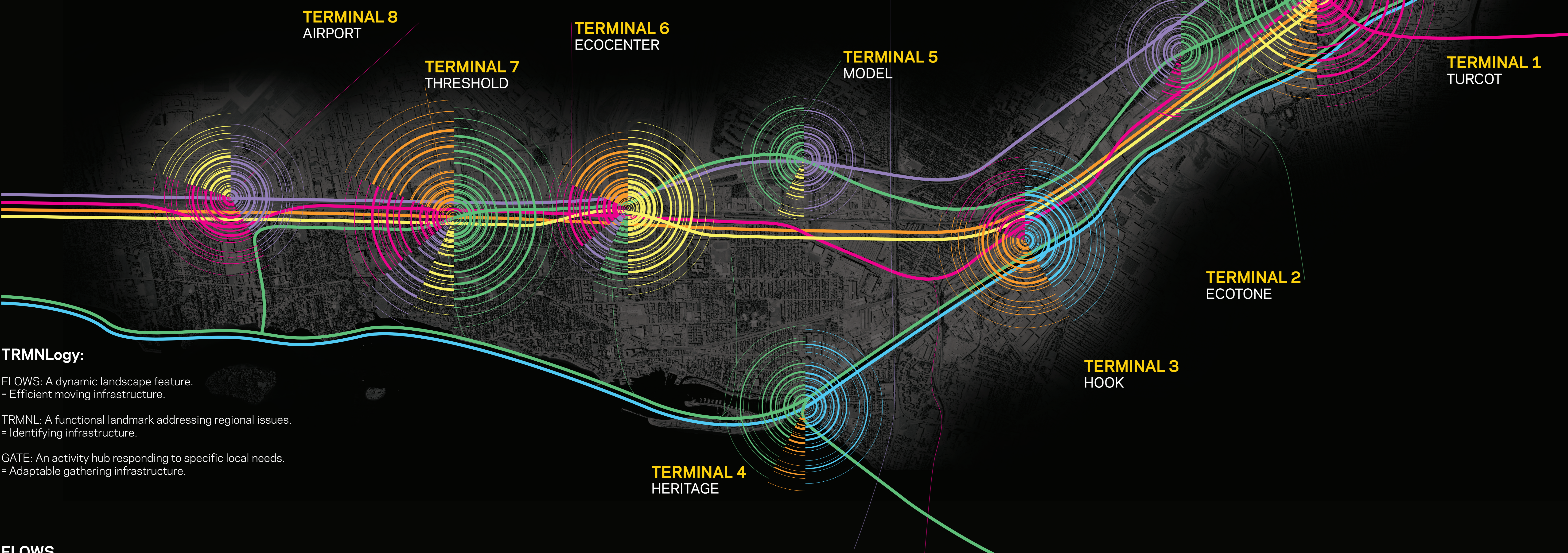
Airport runways and TERMINALS as inspiration for terminology



ENTRANCE TO CITY CENTER



LOOPING THE FLOWS  
By stretching our new multifunctional gateway, we allow the whole archipelago to share our FLOWS and give the chance to Laval to develop their own TERMINALS.



**TRMNLgy:**  
**FLOWS:** A dynamic landscape feature.  
= Efficient moving infrastructure.  
**TRMNL:** A functional landmark addressing regional issues.  
= Identifying infrastructure.  
**GATE:** An activity hub responding to specific local needs.  
= Adaptable gathering infrastructure.

	TRAFFIC	TRANSIT	INDUSTRY	NATURE	WATER	ENERGY
TRAFFIC	Parking buildings taking advantage of the traffic pillars and bring an income to maintain them	A market around the suburban train makes it more attractive		Carbon offsets included in the toll of the new Saint-Pierre interchange	Treating road runoff in a vertical living machine that could replace one of its pillars	
TRANSIT		An efficient combination of attractive networks		Human powered roller coaster over a natural reserve		
INDUSTRY			An eco-industrial symbiosis	Commercial urban agriculture		
NATURE		A design competition for temporary bus stops made out of snow	A local industry of canned products	An urban ecotone with a corridor to the countryside		Biomass collect for energy production
WATER		Possibility of exchanging plastic bottles for train tickets in all stations	Water reservoirs filled by snowmelt parks	Ice maze on Lachine canal	Rain water and grey water harvesting and reuse	Using residential grey water to cool down industrial installations
ENERGY			Central heating from industrial processes			Combining sustainable and local energy sources

COLD SEASON

**A DESIGN METHODOLOGY: TERMINALS**  
 This methodology is used as a planning tool, achieved by merging activities surrounding a specific site, extracting the potentials, and creating specific solutions that give the users and residents access to the hidden potentials in their districts and city. It is with this chart system that TERMINALS are defined.

## FLOWS

**TRAFFIC**  
A driving experience punctuated by FLOWS crossing.

**TRANSIT**  
A structuring combination of attractive networks.

**INDUSTRY**  
An industrial symbiosis gradually implemented around a HEART, an exchange platform for industry's owners to share innovative solutions. A HOOK, an upgraded industrial remains with a leisure vocation to pull the urban development up to the dense industrial district.

**NATURE**  
A connected green structure provides enjoyable paths throughout the gateway. A reactivation of Saint-Jacques escarpment as vivid ecotone linking the Mount-Royal to the Angrignon Park.

**WATER**  
A rediscovery of the waterway through a celebration of its history at the entrance and a new leisure station: Peel Basin, at the exit. Taking advantage of a well-connected green structure to develop SAFEWAYS, pedestrian friendly streets, that harvest rain water and treat it naturally by routing run-off to the shore.

**ENERGY**  
A complete ECOCENTRE taking advantage of the industrial symbiosis, collecting waste through the rails and transforming residues into energy that is released to illuminate the highway.

