

Project profile 3

Name: IKEA Lichtenberg

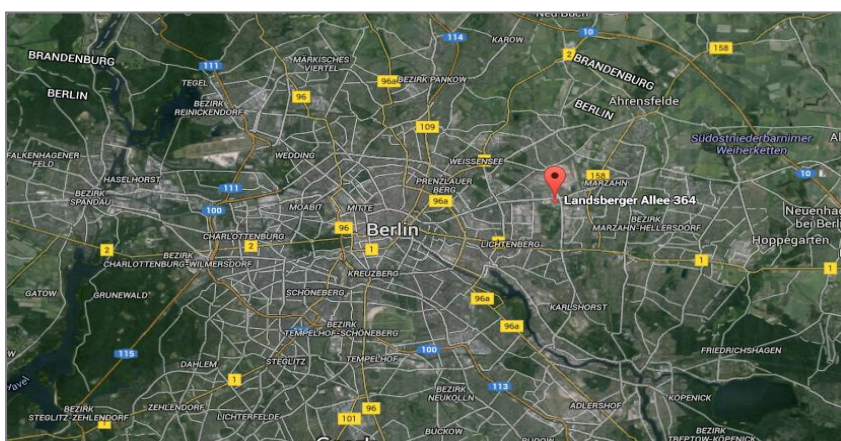
Address: Landsberger Allee 364

Year(s): 2010

Size: 43.000m² gross floor area, 28.000m² built area; 4.000m² roof; 450m³ underground RW tank

Cost: 70 mio. € (total)

Technologies: RW collection and use for toilet flushing and watering in glass pavilion; wastewater heat exchange system



Fulfilled criteria	
Ownership/use	
Public/ pub. Service	
Commercial	✓
Residential	
Scale	
Large (>5000m ²)	✓
Small	
Temporality	
Established	✓
On-going	
Spatial scale	
Central	
Suburban (periphery)	✓
Format	
Neighbourhood / localized	✓
Lineal	
Mainstreaming potential	
Up-scaling	✓
Replication	✓

Project description- context: new development of IKEA store in Lichtenberg included several environmentally friendly and innovative technologies/ systems; among them, RW collection and use for toilet flushing and watering in glass pavilion. The main focus of these technologies was energy efficiency (wastewater heat exchange system, PV, etc.). Located in the industrial area “Berlin Eastside”, managed by a private-public-partnership in which among others IKEA and BWB are partners. The new development and installed technologies were financed almost exclusively by IKEA Group’s own resources. Got the Berlin Climate Protection Partner award in 2011.

Actors involved: IKEA Germany, Lang Engineering Consultancy, District Administration Dpt. Economic Promotion Lichtenberg and Marzahn-Hellersdorf; BWB, Berlin Senate Administration

Covered analytical dimensions	
Actors	Actor constellation not very interesting and relatively small
Plans/ Planning	No urban or landscape planning involved, but maybe interesting for infrastructure and link to the brand and development of “Berlin Eastside”
Values	Very pragmatic project, does not seem to offer lot of potential for this dimension
Driving forces and constraints	Very interesting case for analyzing if any instruments available in the city supported the implementation
Impacts	Economic and environmental impact (also link to assess potential impact of split tariff as instrument, maybe to support mainstream)
Technologies	Wastewater system is very Interesting and innovative; RW bit less; however, monitored
Process Dynamics	Relatively new and unilateral project/ process; however maybe potential rel. to learning thanks to installation monitoring

Methodology: documentary analysis, interviews, site visit, photography

Project Summary for Selection

Criteria

		Berliner Str. 88	Sonnig Wonnig e.V.	IKEA Lichtenberg
Ownership/ Use	Public/ pub. service			
	Commercial			<input checked="" type="checkbox"/>
	Residential	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Scale	Large	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
	Small		<input checked="" type="checkbox"/>	
Temporality	Established	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	On-going			
Spatial scale	Central			
	Suburban (periphery)	<input checked="" type="checkbox"/> Periphery	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tech. Incl.	Greening	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Infiltration			
	Re/detention	<input checked="" type="checkbox"/>	„ <input checked="" type="checkbox"/> “	
	RW Use beyond garden watering		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Format	Neighborhood	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Lineal			
Mainstreaming potential	Up-scaling	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
	Replication		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Periphery = clear outskirts

„“ = marginal/secondary

Analytical Dimensions

	Berliner Str. 88	Sonnig Wonnig e.V.	IKEA-Lichtenberg
Actors	<input type="checkbox"/>	<input type="checkbox"/>	
Plans/Planning	<input type="checkbox"/>		<input type="checkbox"/>
Values		<input type="checkbox"/>	
Driving forces/ constraints		<input type="checkbox"/>	<input type="checkbox"/>
Impacts	<input type="checkbox"/>		<input type="checkbox"/>
Technologies			
Dynamics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Author: Natàlia García Soler

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