

A child with blonde hair in a bun, wearing a white long-sleeved shirt and dark shorts, is seen from behind swinging on a swing set. The background is a blurred city skyline at dusk or dawn, with warm light from the sky. The image is partially covered by a dark grey diagonal overlay on the left and a dark grey rectangle on the right.

Pasi Lappalainen, Nosto Consulting Oy

Projektin tulokset

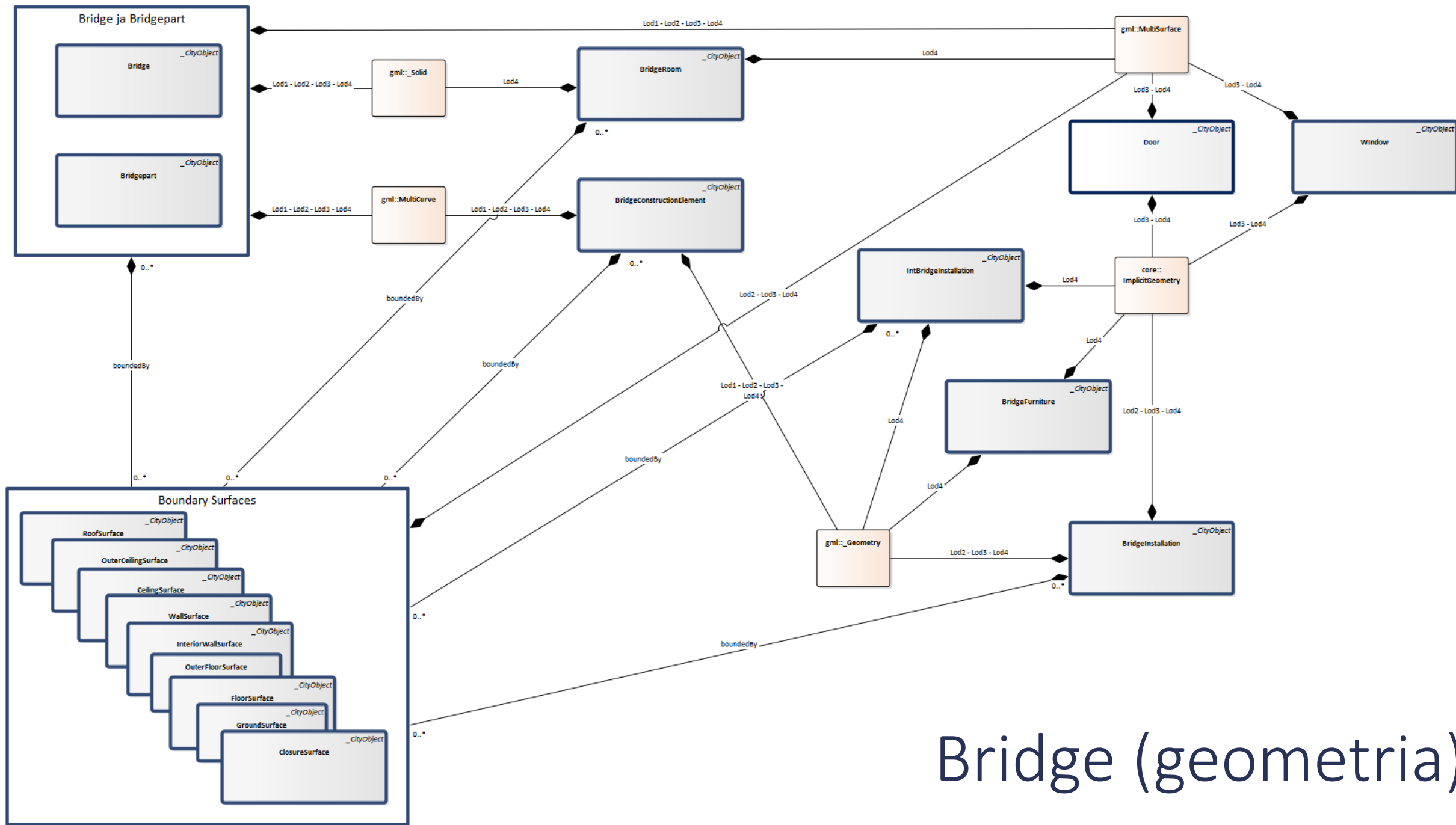
Työpaja 23.5.2019

3D

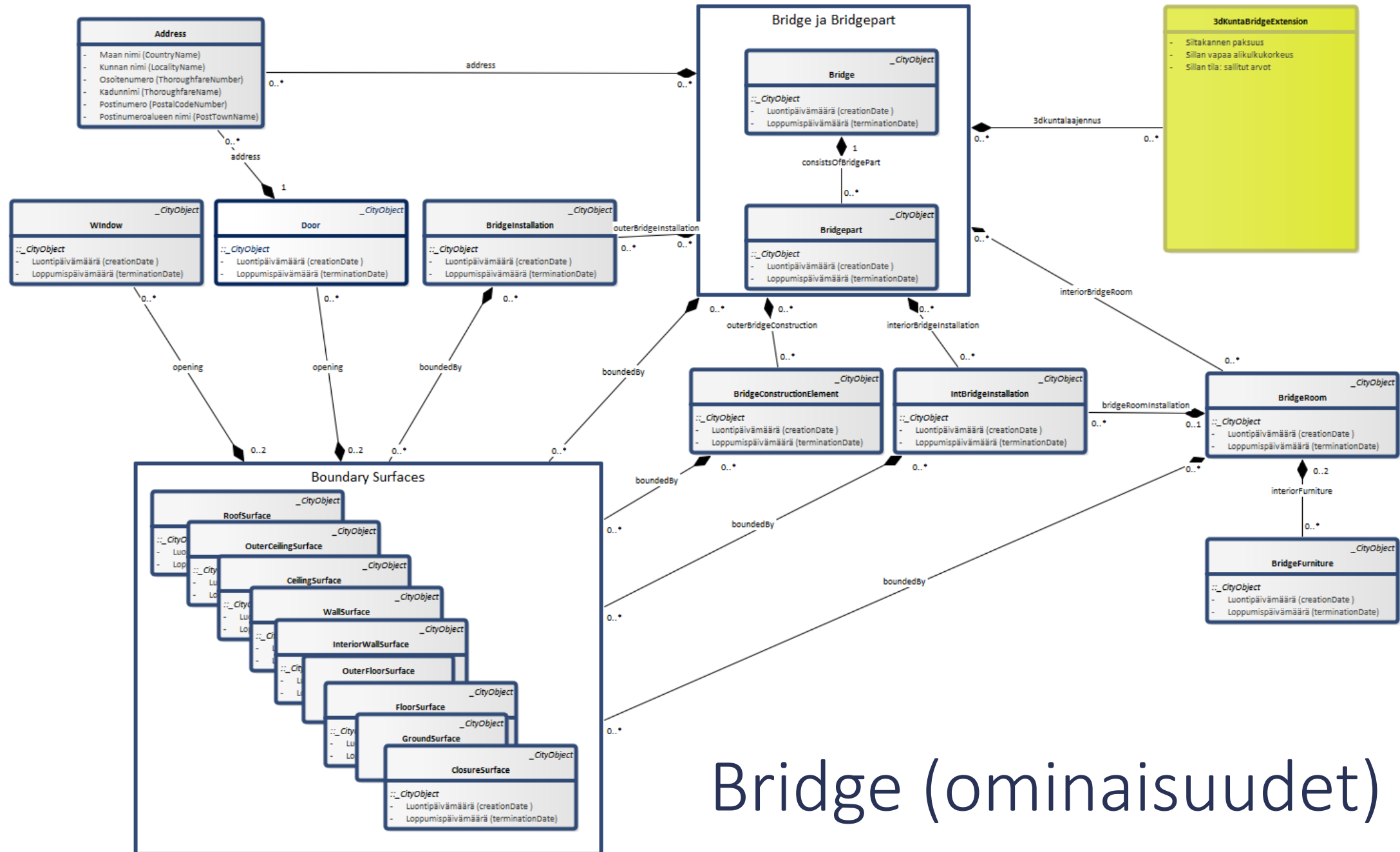
3Dkunta

Tulokset

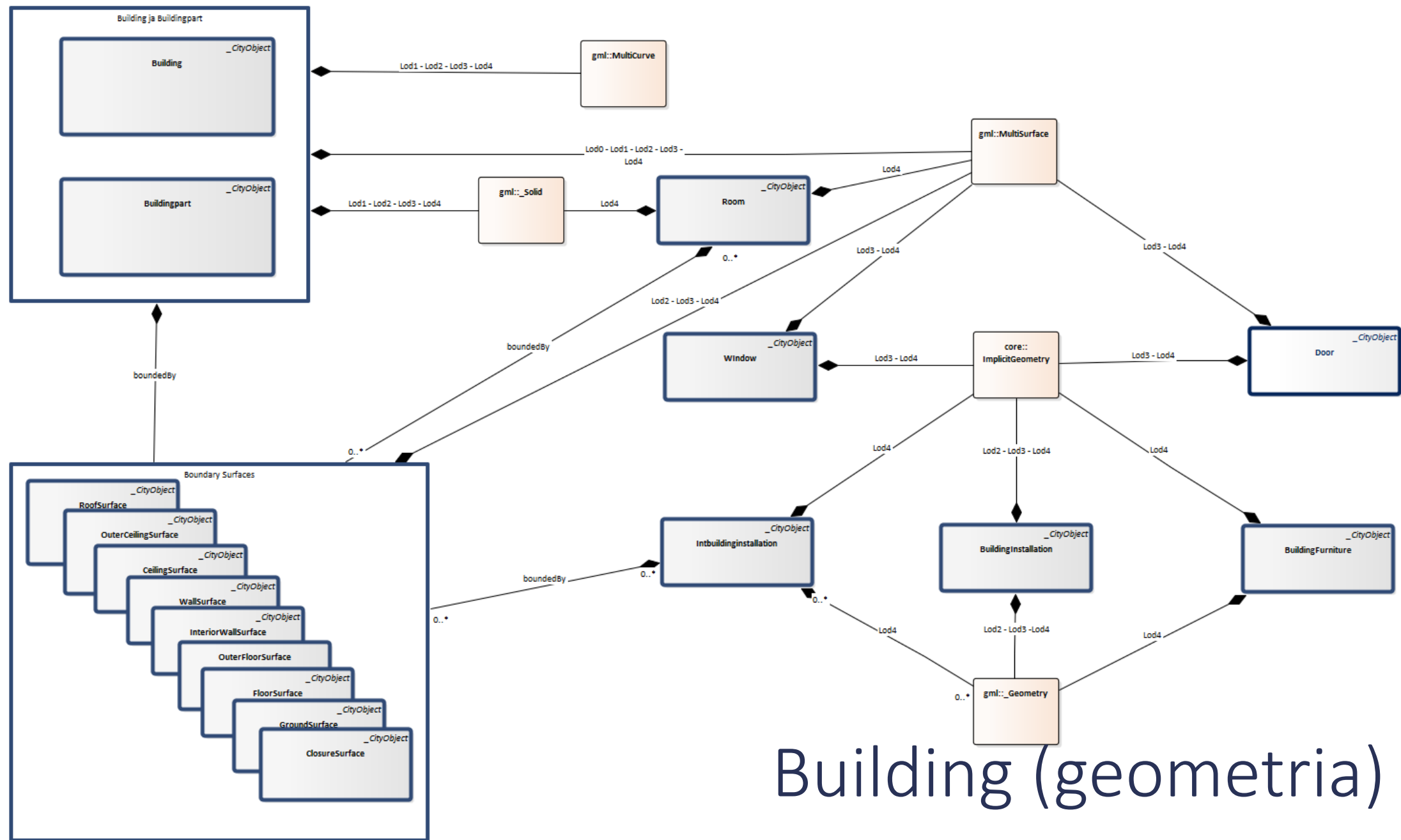
- Käsittemalli
 - Ominaisuudet
 - Geometria
- Ominaisuustietolaajennokset (3DkuntaExtension)
 - Bridge
 - Building
 - CityFurniture
 - Transportation
 - Vegetation
- Sanastot



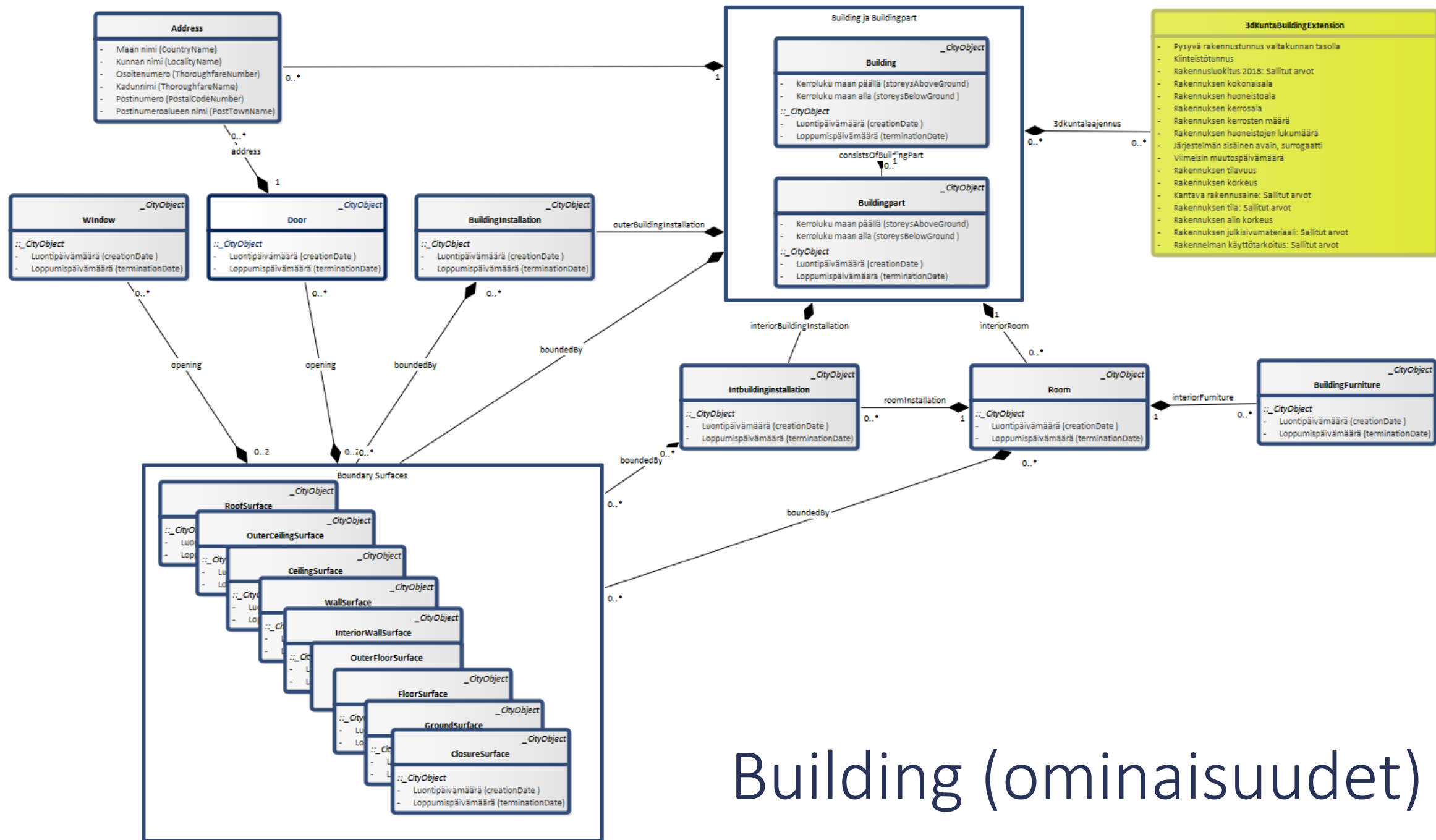
Bridge (geometria)



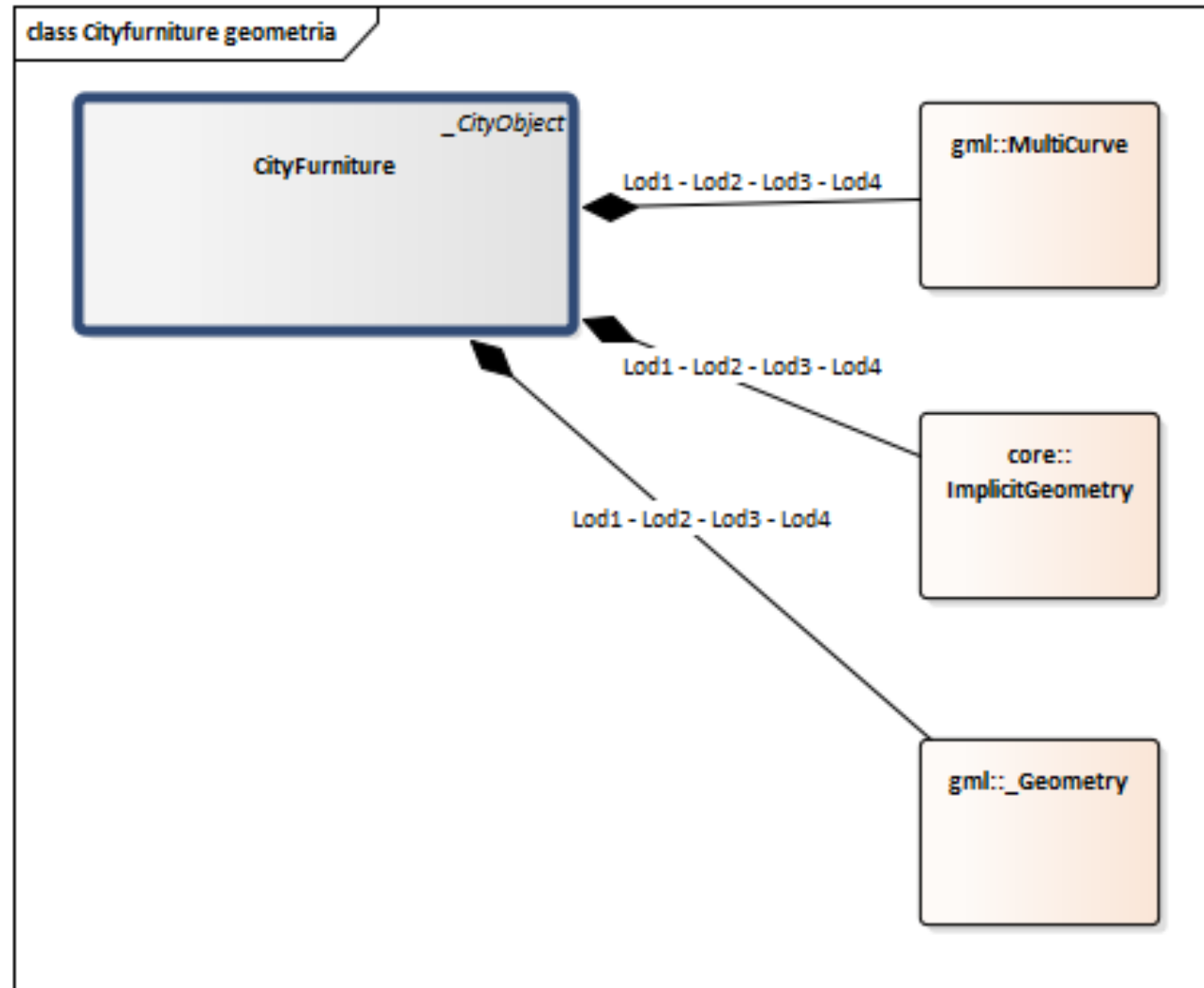
Bridge (ominaisuudet)



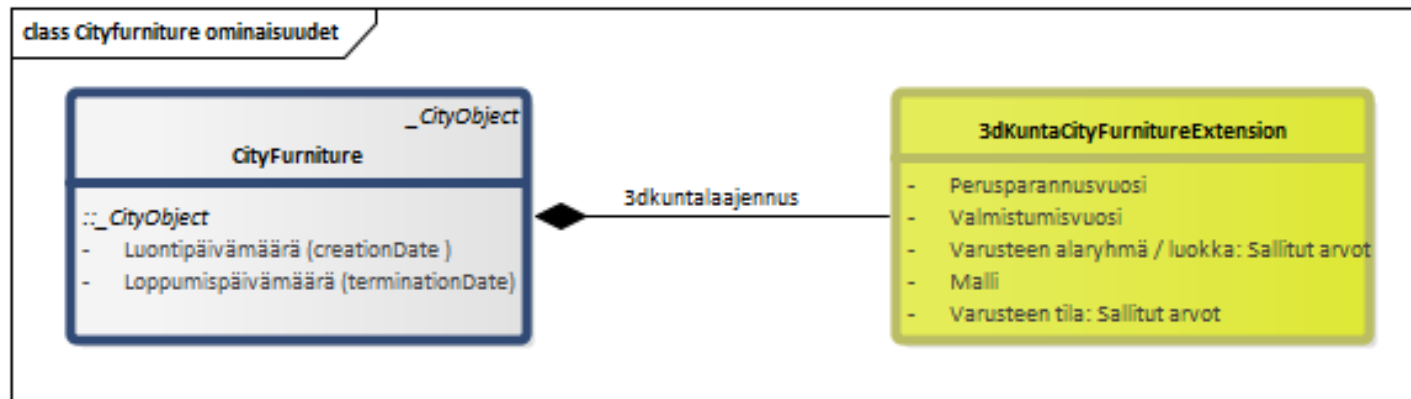
Building (geometria)



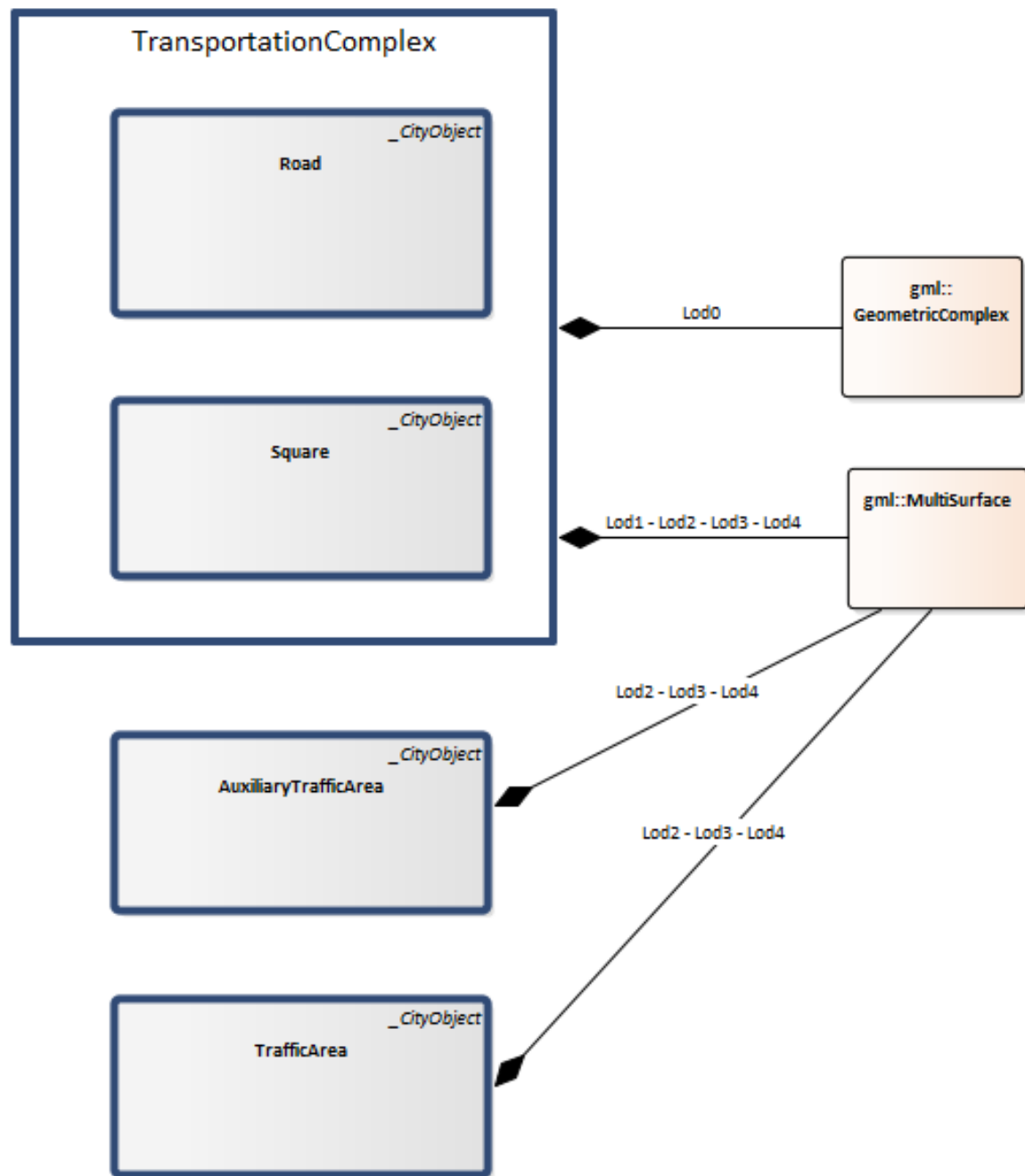
Building (ominaisuudet)



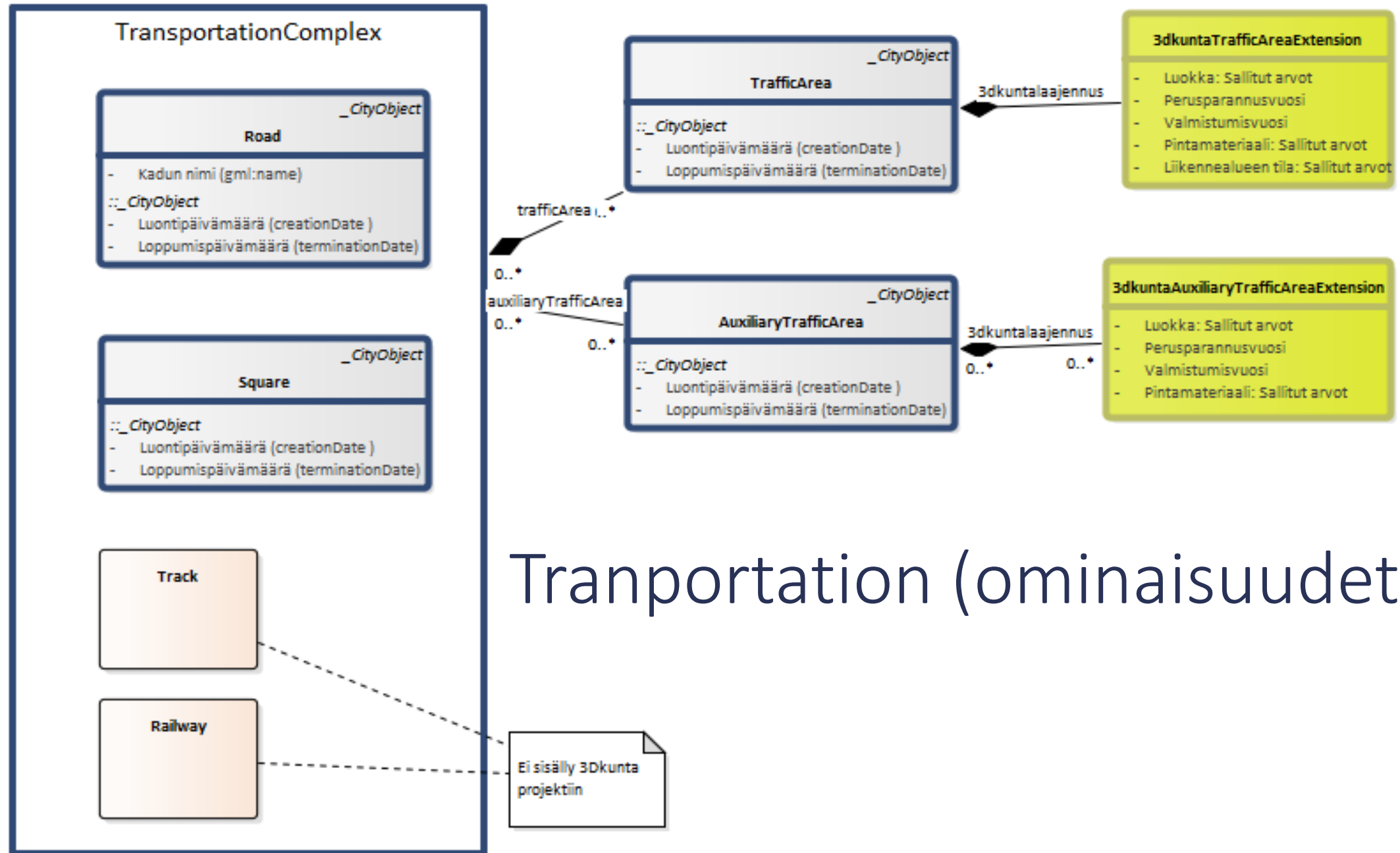
CityFurniture (geometria)



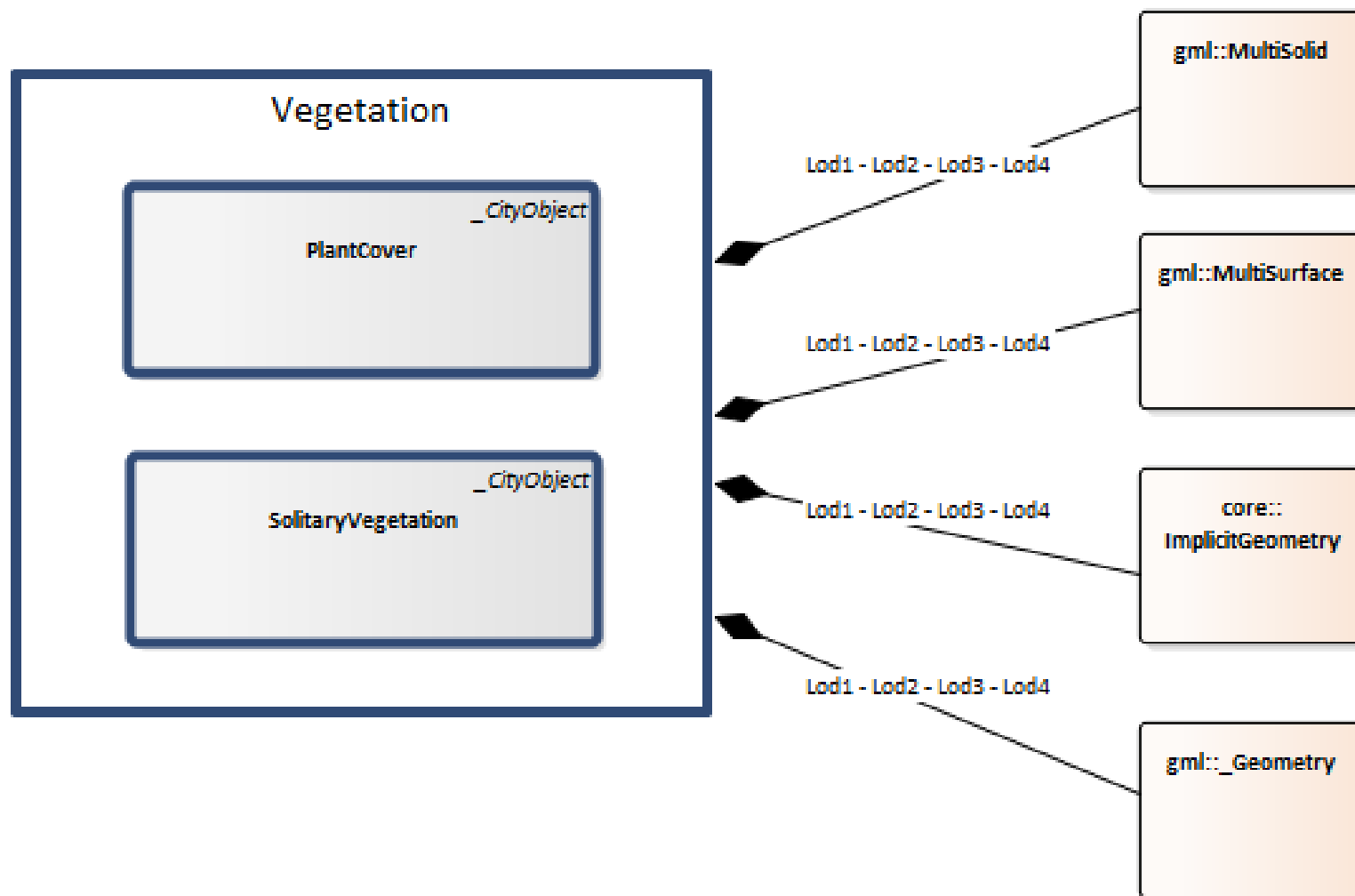
CityFurniture (ominaisuudet)



Transportation (geometria)



Transportation (ominaisuudet)



Vegetation (geometria)

MÄÄRITTELY

Ominaisuustietolaajennokset
(3DkuntaExtension)

Essoo: yhteensopivas ongelmia
"FME" → haava soitta lukee
CityGML:aa → gmlin-
kierroa

> jalkaa suunnittelijoille
lähtö tietäminen
> Arhitehtit/tonin luovutus
kilpailut

→ goudot, maanrakennus
aiheisto, viereiset
rakennukset

→ raha

Asbuilt-kiedon
siirto takaisin
kaupunkimalliin

Temasolid
- tuha-analyysi
- runko-analyysi
- Reitin optimointi

WFS
CityGML
Novapoint
- DESRI
- AutoDesk
3Dx10

- Jari
Finnpap
Jarkko Sinen
XD-viisut

Margut Wiskari
Blanc
Jesper Valle
mms/MM

Typpari

Timo Toikari
HK KMS

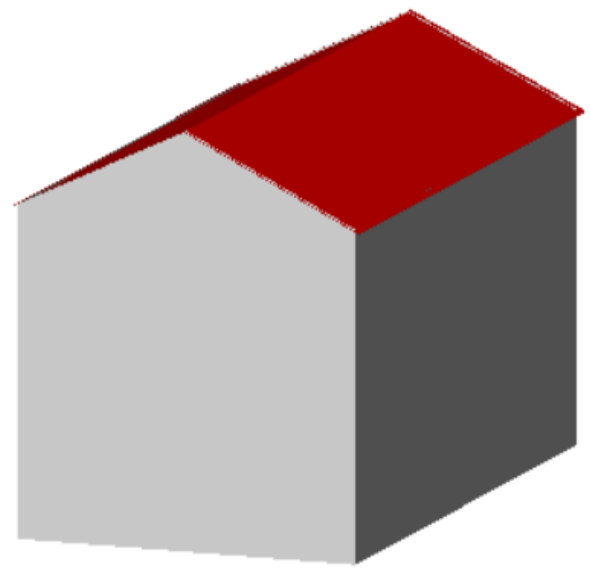
Jarkko/HKI
KMS

Petri K.

Kansalais-
muovautus
→ integraatio
palautteita
maan

yksirakennus.xml - CITYGML_2_0

3D View



Element Properties Properties Relations

Name	Value	Descrip ^
CityGML Address		
xAL:CountryName	Finland	
xAL:LocalityName	Espoo	
xAL:PostalCodeNumber	00260	
xAL:ThoroughfareName	Keskuskatu	
xAL:ThoroughfareNumber	7a	
Generic Attributes		
height	25	
permanentBuildingcode	p1234-1234	
propertyID	092-416-11-123	
classificationOfbuildings	0120 pienkerrostalot	
totalArea	666.6	
netfloorArea	333.3	
floorArea	233.1	
numberOffloors	2	
numberOfapartments	6	
surrogate	ID-123-666	
changeDate	2013-01-13	
volume	6000	
height	25	
bearingStructures	betoni	
stateOfbuilding	valmis	
lowestAltitude	4.612	
facadeMaterial	metallilevy	
GML Attributes		
gml:id	id_Building_198424062	
bldg:storeysBelowGround	2	

Sanastot (englanniksi)

Referenssit:

- **Sanastokeskus TSK:** Kiinteistön ja rakentamisen (KIRA) keskeinen sanasto, versio 1.0. Helsinki 2016, pdf http://www.tsk.fi/tiedostot/pdf/kira-sanasto_v1.pdf
- **Sanastokeskus TSK:** TEPA-termipankki. Erikoisalojen sanastojen ja sanakirjojen kokoelma <http://www.tsk.fi/tepa/fi/>
- **IATE European Union terminology:** <https://iate.europa.eu/home> (päivitetty: 7.5.2019, versio 2.3.0)
- **Finto Suomalainen asiasanasto- ja ontologiapalvelu:** <http://finto.fi/fi/>
- **Gorse, Christopher; Johnston, David; Pritchard, Martin 2012:** A dictionary of Construction, Surveying and Civil Engineering. Oxford University Press. Published online 2013, current online version 2013 at Oxford Reference <https://www.oxfordreference.com/view/10.1093/acref/9780199534463.001.0001/acref-9780199534463>
- **Commin: The Baltic Spatial Conceptshare, BSR-glossaries:** <http://commin.org/en/bsr-glossaries/national-glossaries/finland/>



3Dkunta

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