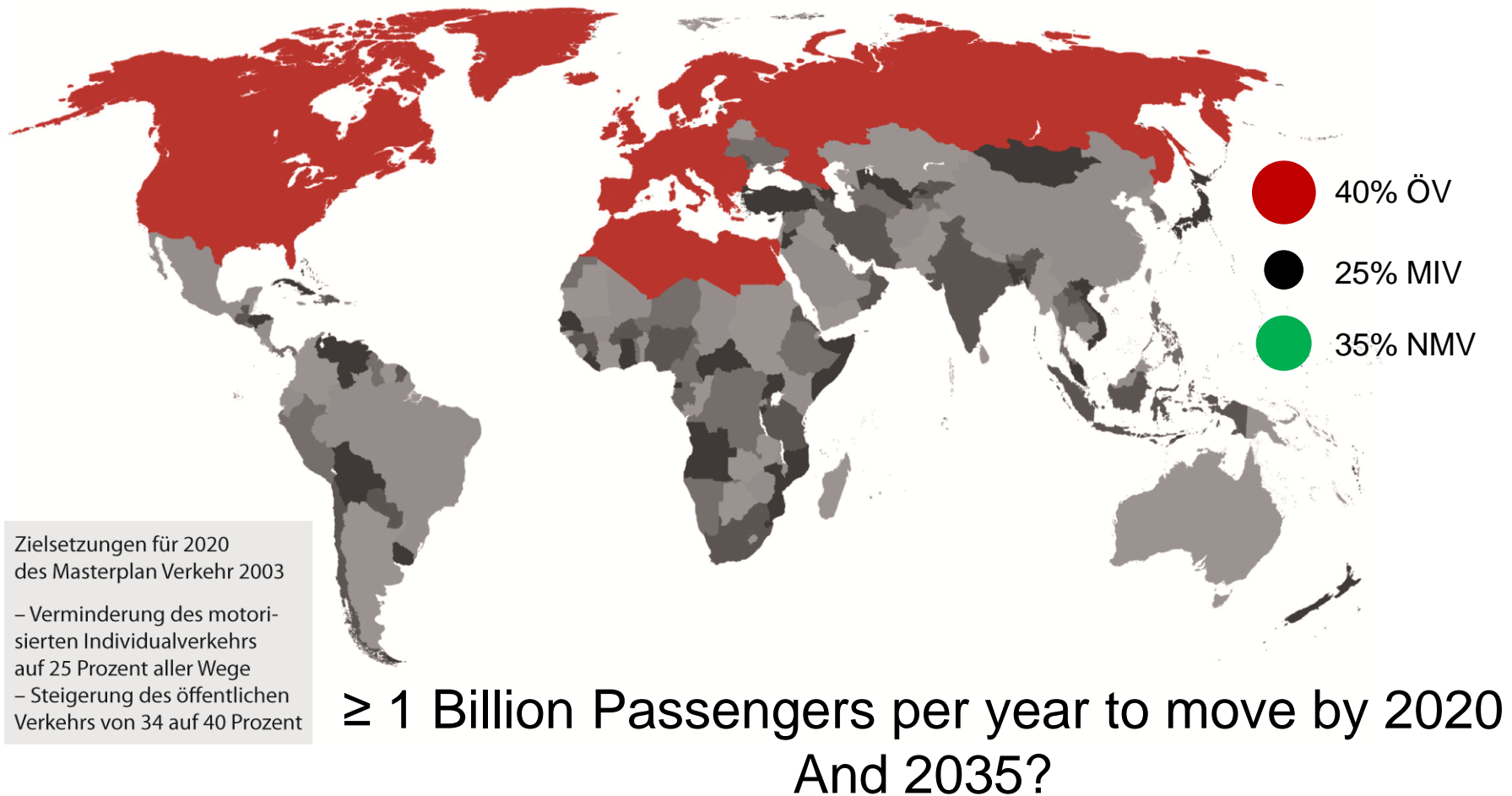


What kind of town will Vienna be?



Vision: Vienna 2 Mio+ in 2035

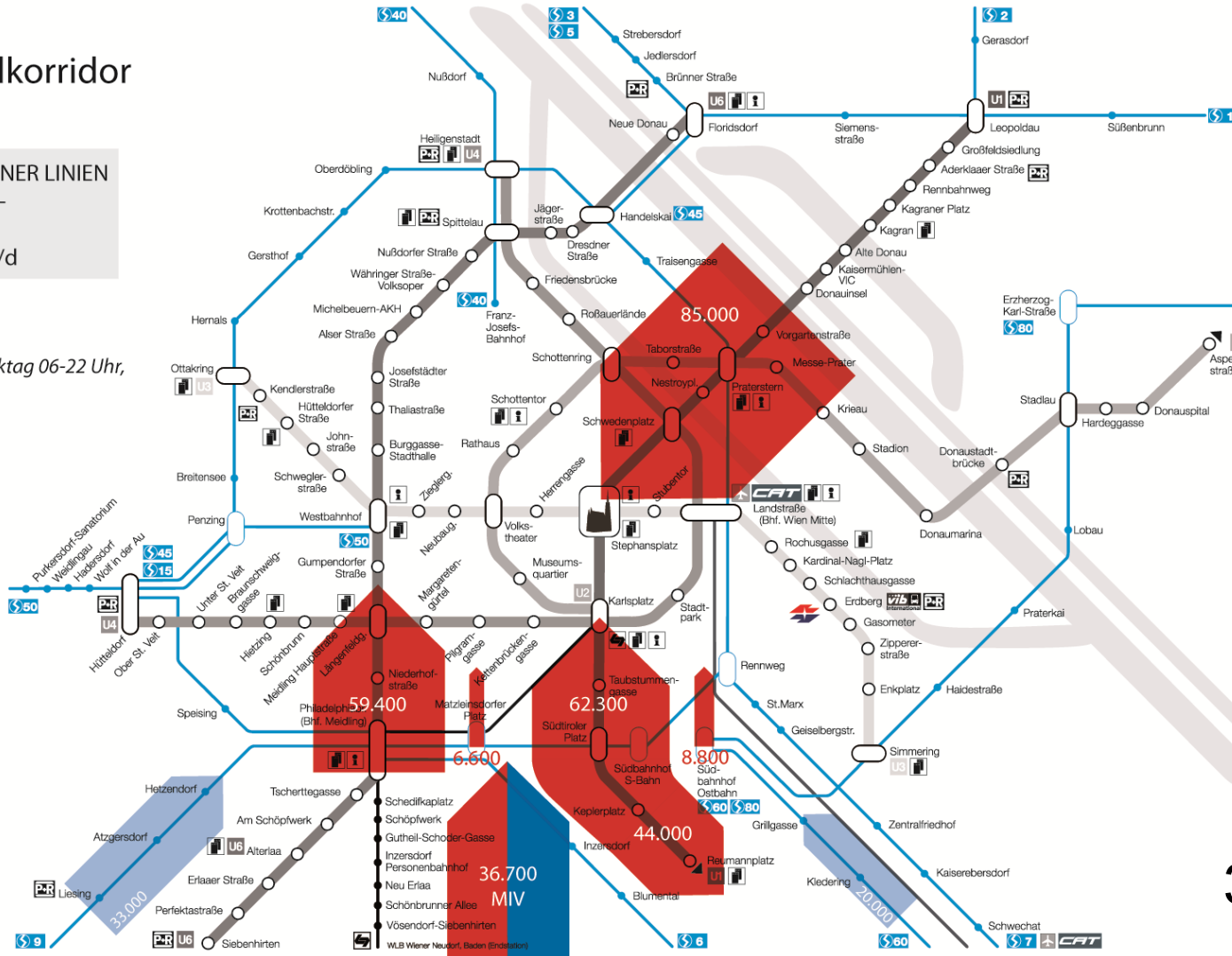


Heavy loads today, 500.000 annual passes!

Fokus: Südkorridor

Südkordon WIENER LINIEN
 - Richtung City -
 ~ 140.000 FG/d
 ≙ Pendler ÖBB/d

Rote Pfeile:
 WL Fahrgäste, Werktag 06-22 Uhr,
 eigene Zählungen



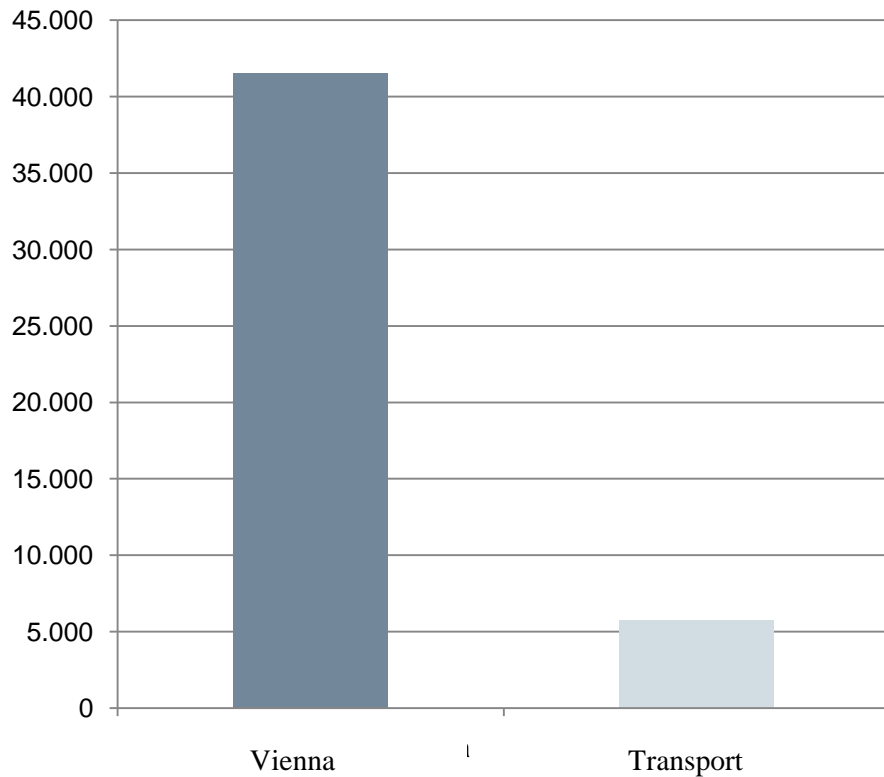
2011

365€/a

Problem 1: Space to live!

300.000 people moving
to Vienna until 2035!

10.000 Flats/year to be
constructed



Vienna and Transport in ha

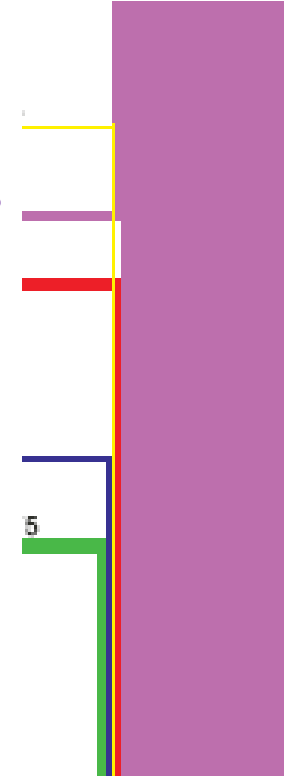
Problem 2: Energy & Emissions

Bruttoinlandsverbrauch
44.255 GWh

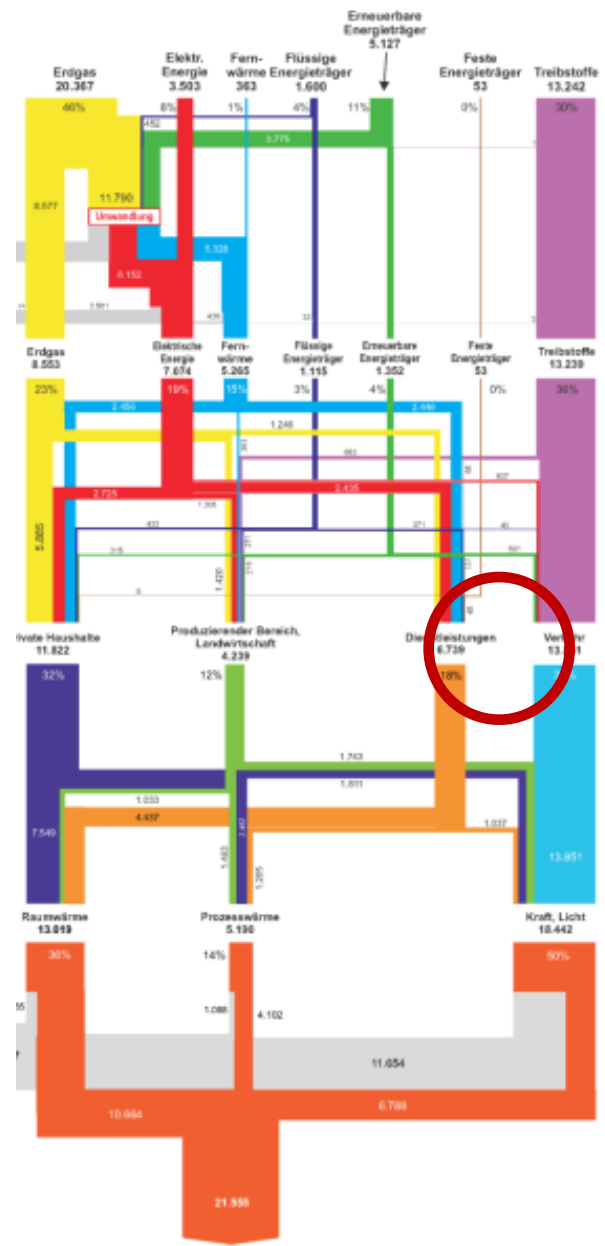
Cargo/MIT
Fuels

Bus

Electric Traction

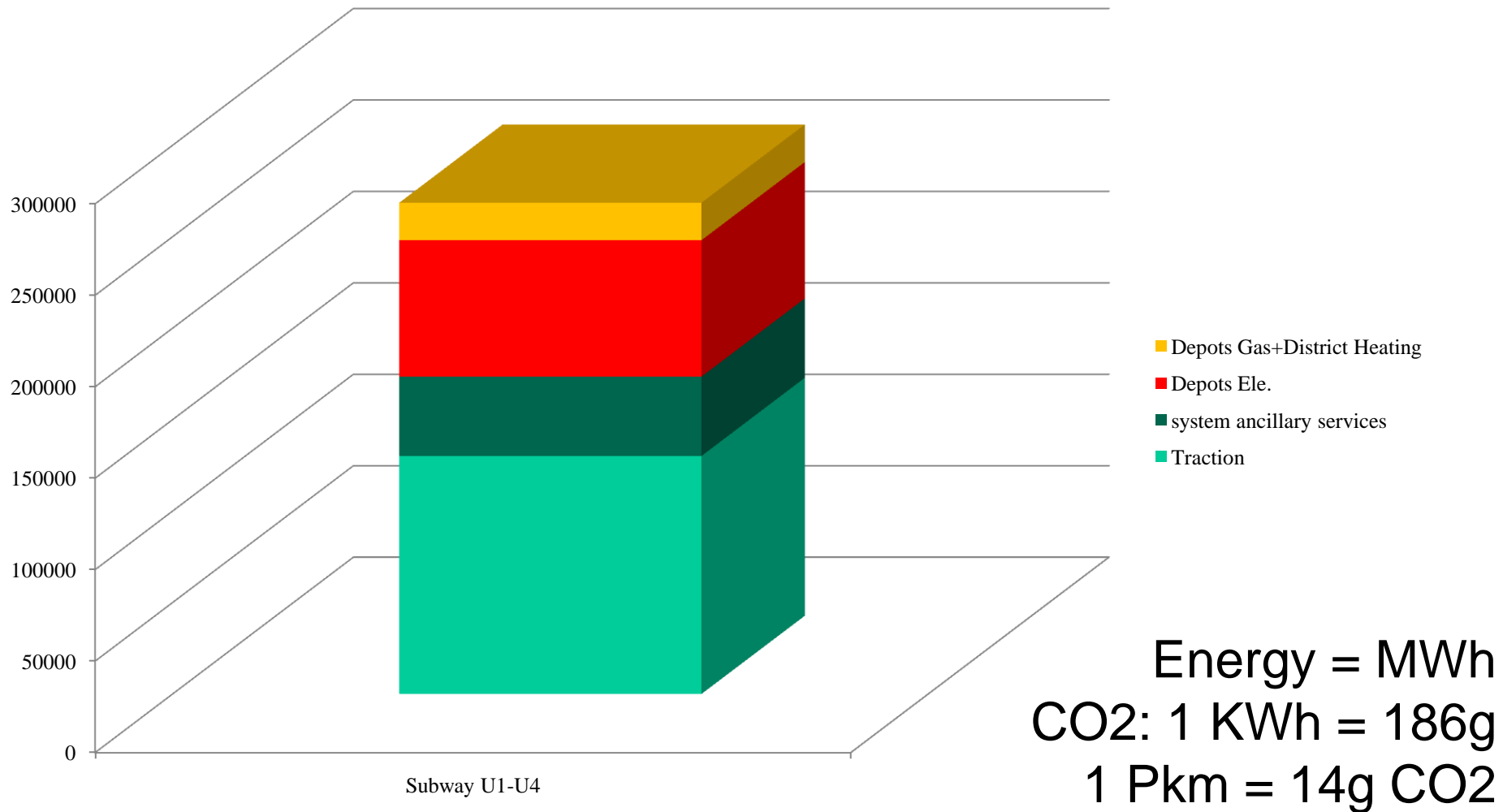


Transport



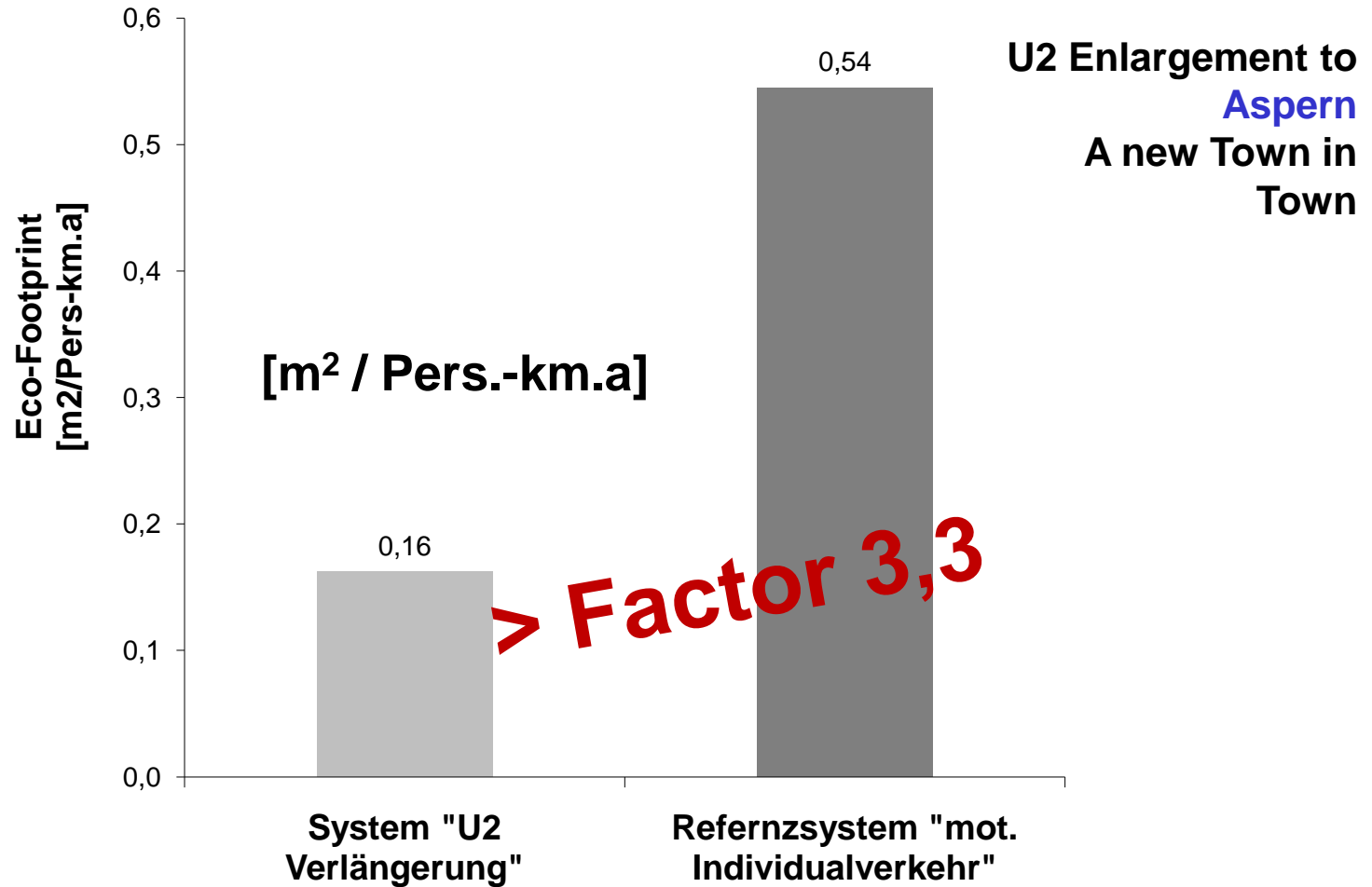
Transport

Integrated Aspect Energy / Emissions [MWh]



Problem 3: Resources

ECO-Footprint: Car vs. Subway



Problem 4: Housing

100.000 new
appartements
in 10 years

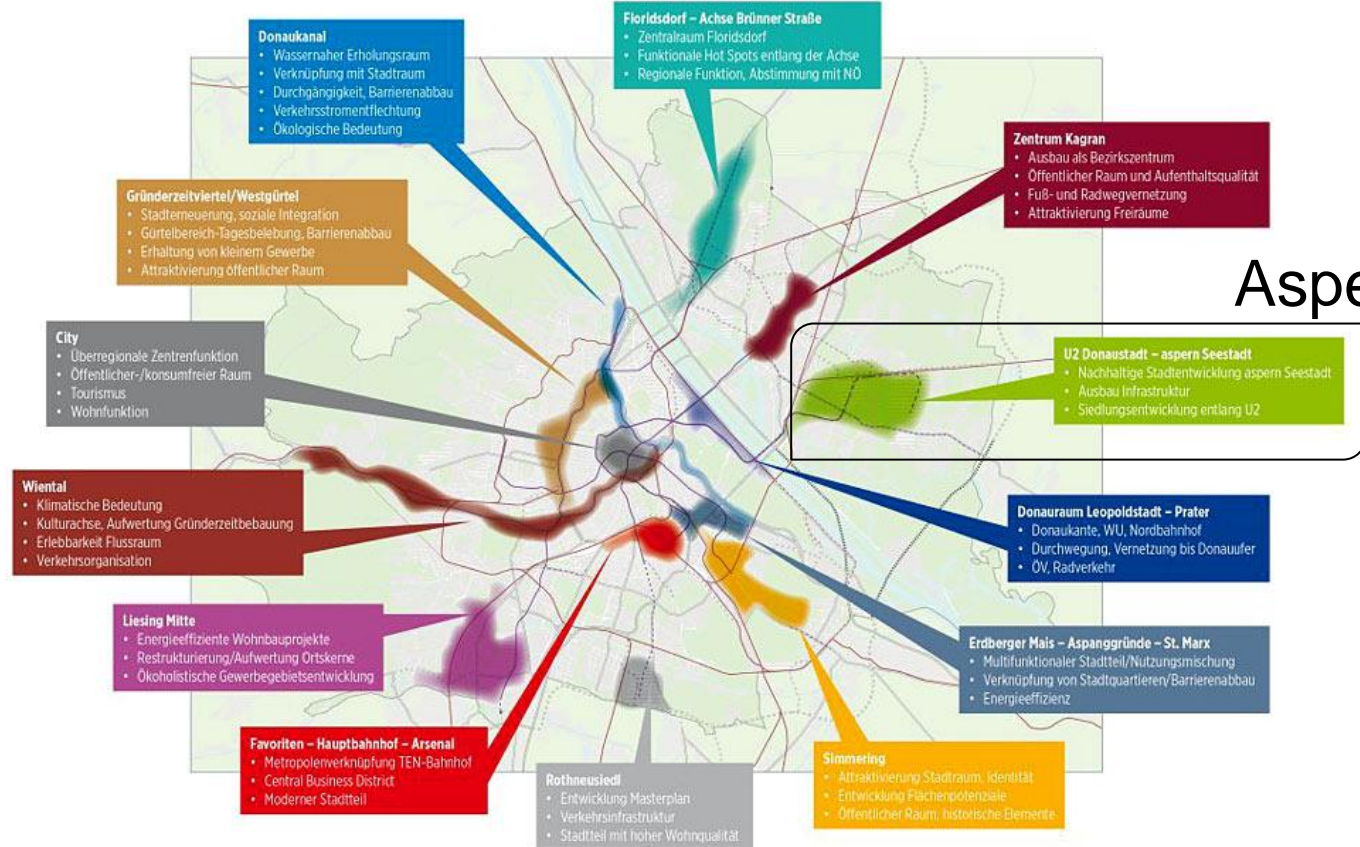


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Solution 1: Spatial Development, old fashioned

Die Zielgebiete der Stadtentwicklung 2011

Besondere Herausforderungen und Entwicklungspotenziale



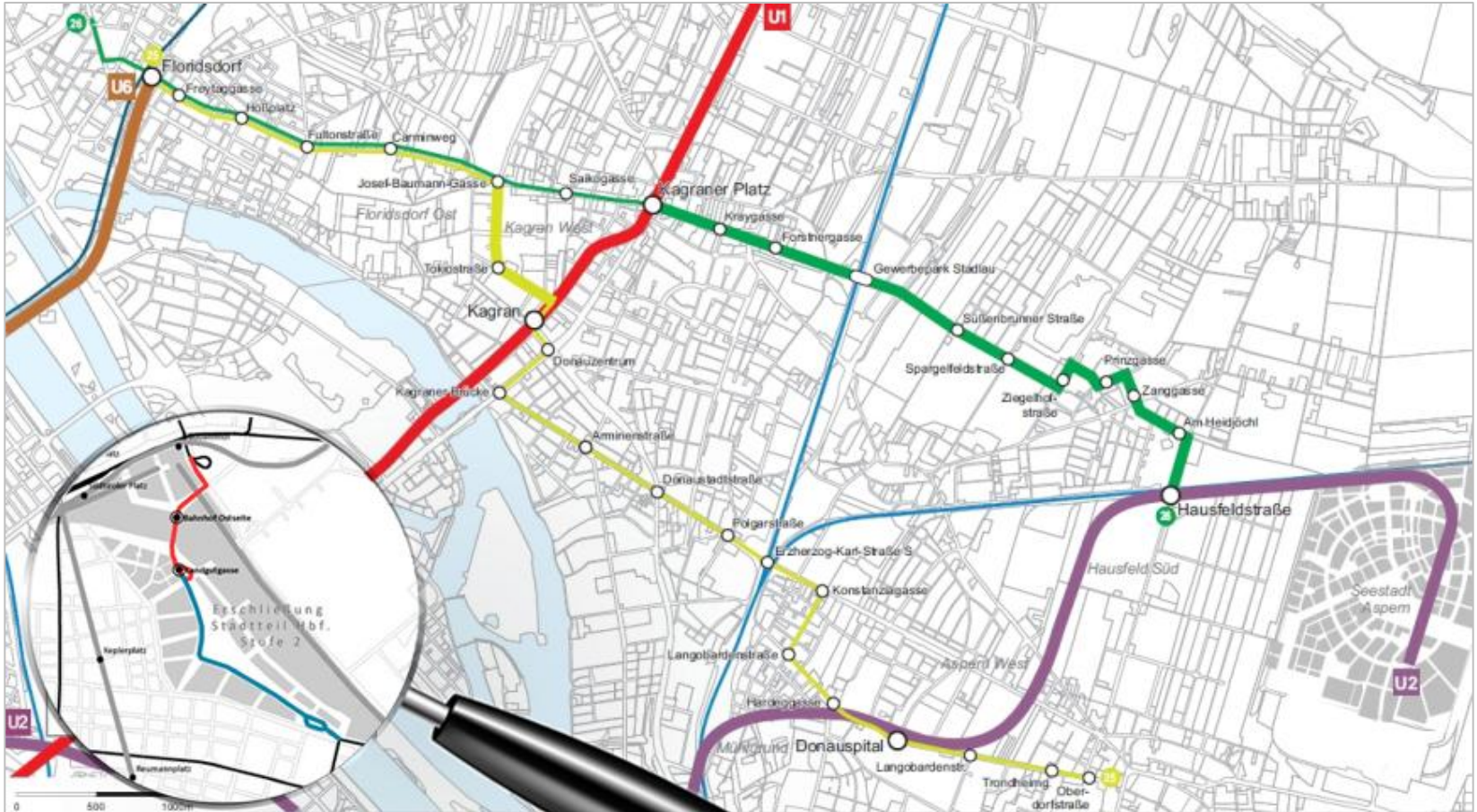
13 Target Districts

New Town in Town: ASPERN and Subway U2



VISION: 20.000 people living there, 20.000 working places

Traditional solution 2: Some new tramway lines



Quelle: WL, MA18

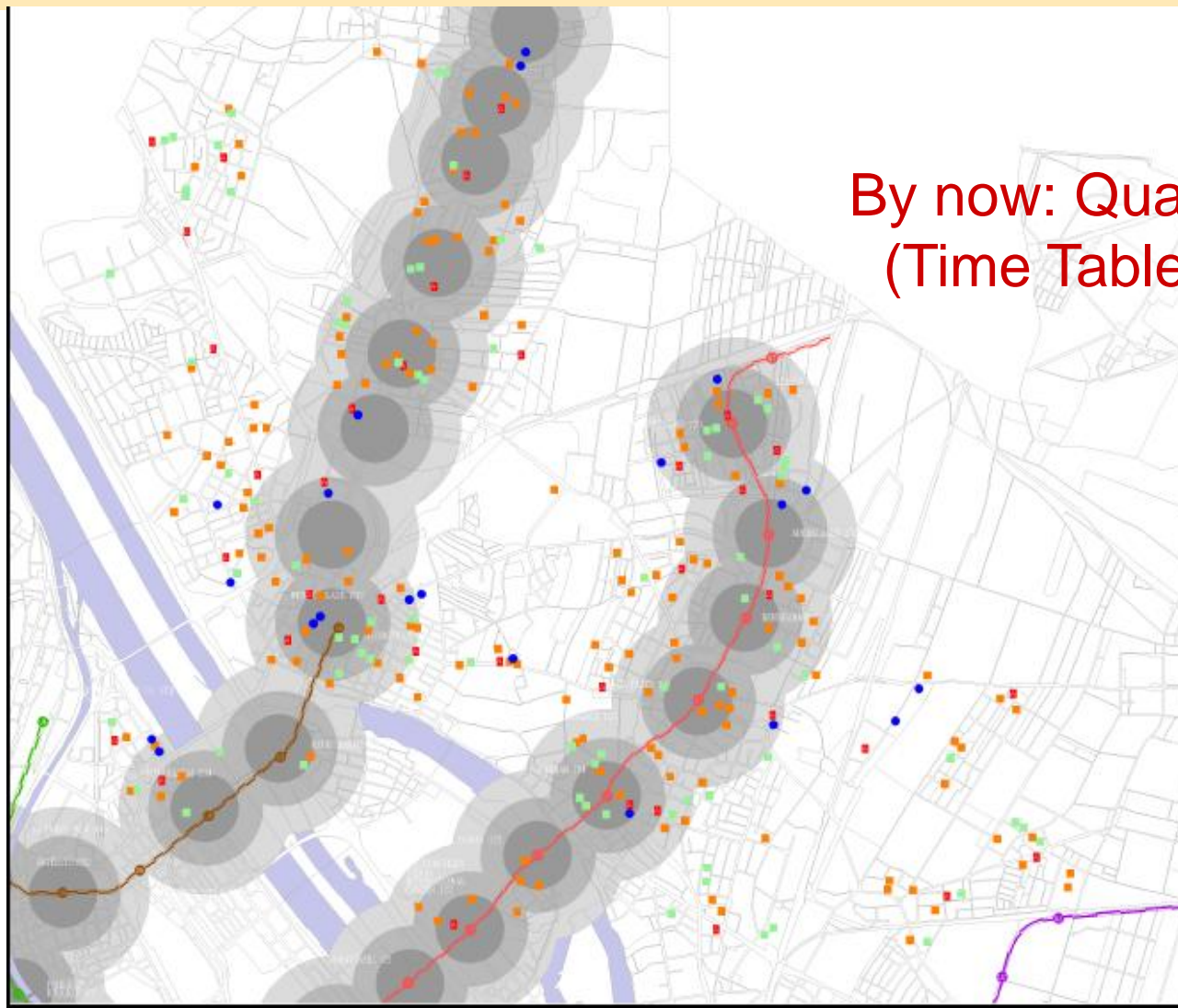
And/or subway Line



Stephansplatz, Center

Quelle: WL, MA18

Integrated Solution 1: Accessibility (Distance)



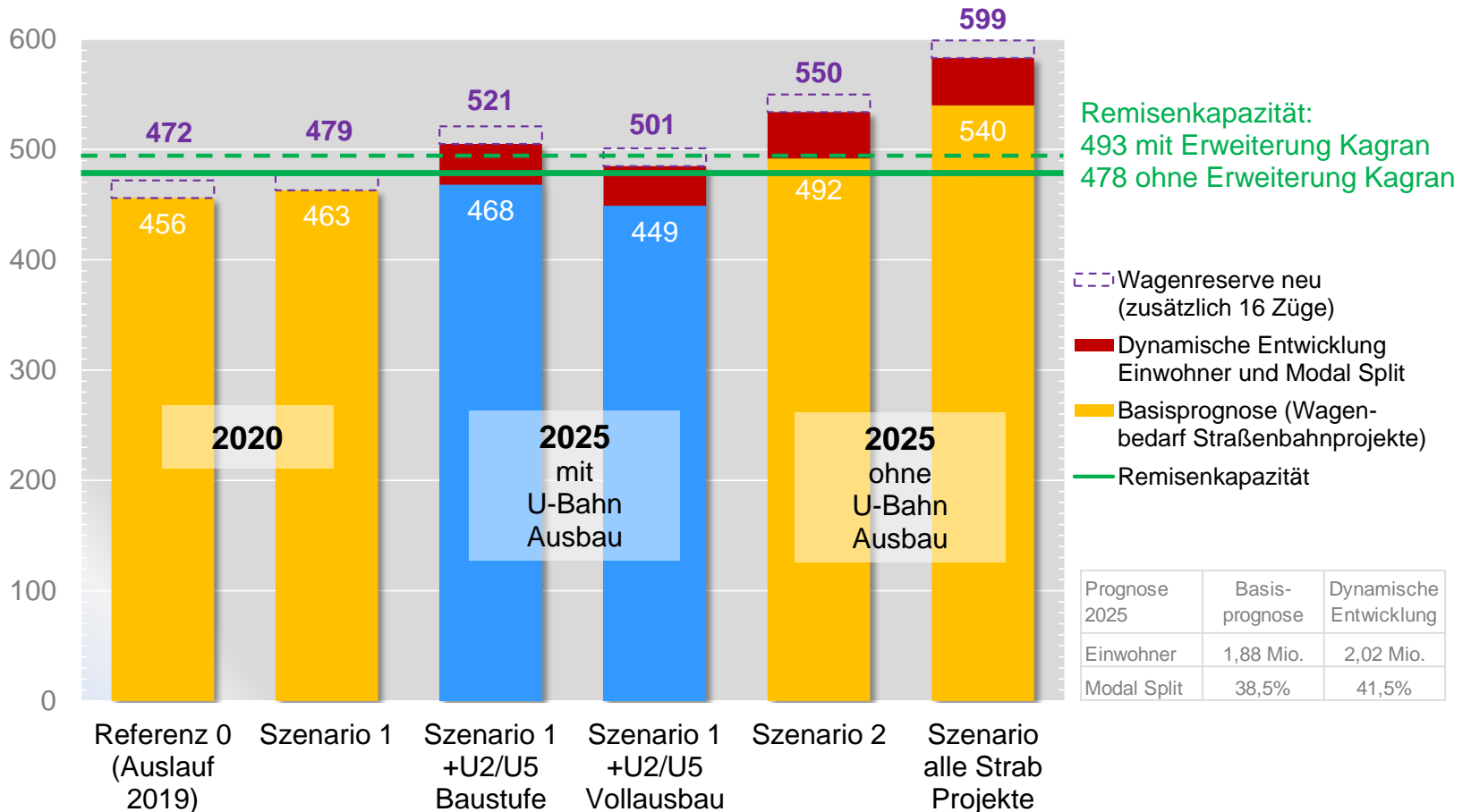
By now: Quality Aspects
(Time Table), Intervals

Quelle: WL, MA18

Problem 5: Depots

Wagenbedarf und Remisenkapazität

Szenarien 2020 und 2025, in Abhängigkeit von Stadtentwicklung und Modal Split
[Züge, inkl. 17% Wagenreserve]



Integrated Solution Workshops/ Housing

Wiener Linien - Remise und Busgarage am Hauptbahnhof Wien

Studie 01/2013



Strukturplan Stadtentwicklungsgebiet Hauptbahnhof

■ Gerhard Mößburger ZT GmbH ■ Nidenhofstraße 26/4, A-1120 Wien ■ Tel: +43 (1) 7991545 Fax: DW - 94 ■ Mail: office@mossburger.at ■ www.mossburger.at ■
■ Zechner & Zechner ZT GmbH ■ Stumpergasse 14/23, A-1060 Wien ■ Tel: +43 (1) 5970336 Fax: DW - 99 ■ Mail: email@zechner.com ■ www.zechner.com ■

Seite 1

100.000m² = 1 year supply for Growth Scenario Vienna 2 Mion+

And whats on top of a depot?

Where?

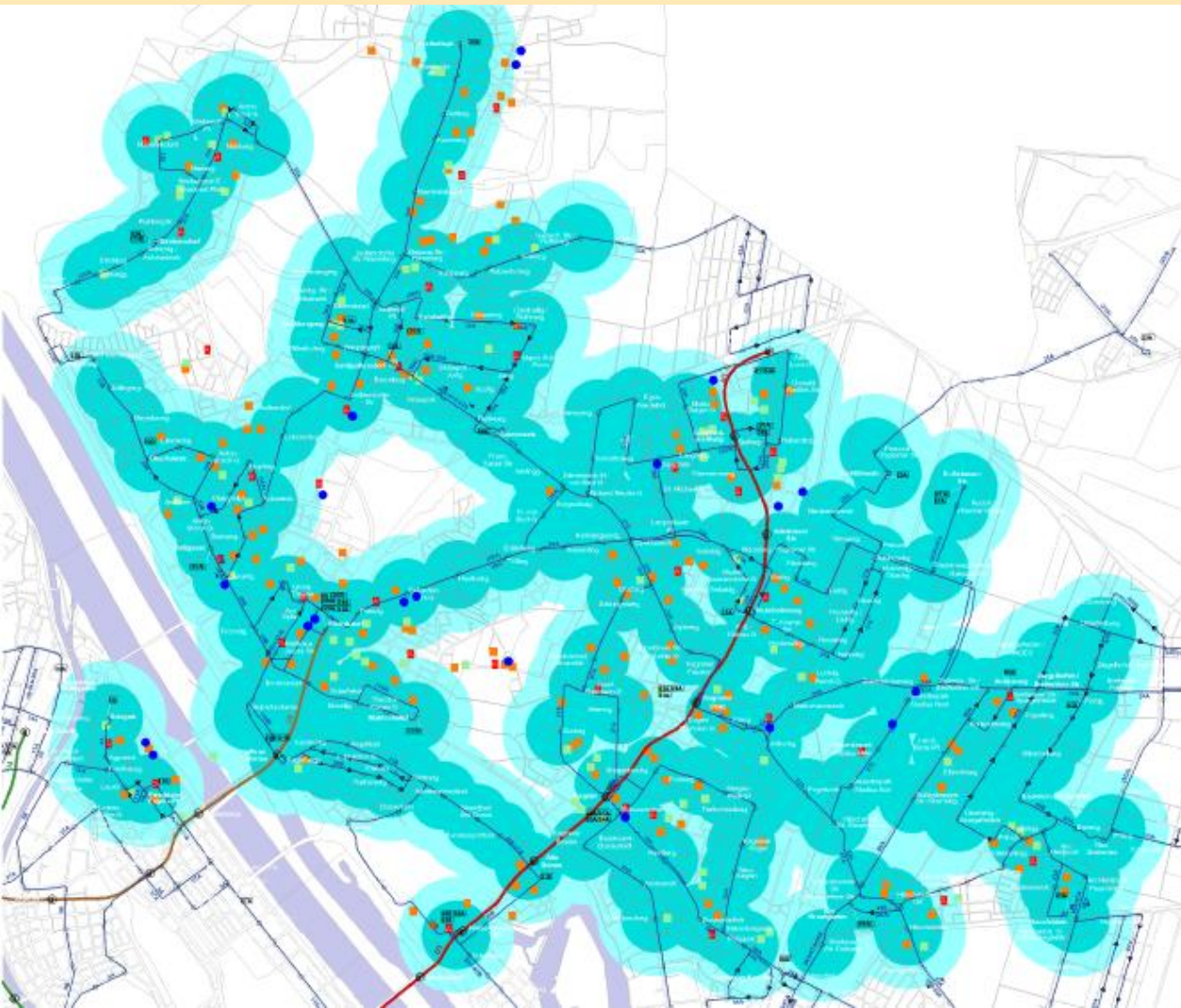
Immobilier development could bring revenue of around 40-55 Mio Euro and another 120 Mio of reduced opportunity costs (alternative solutions and abandoning of older depots)



Depot would be on level -1, flats above

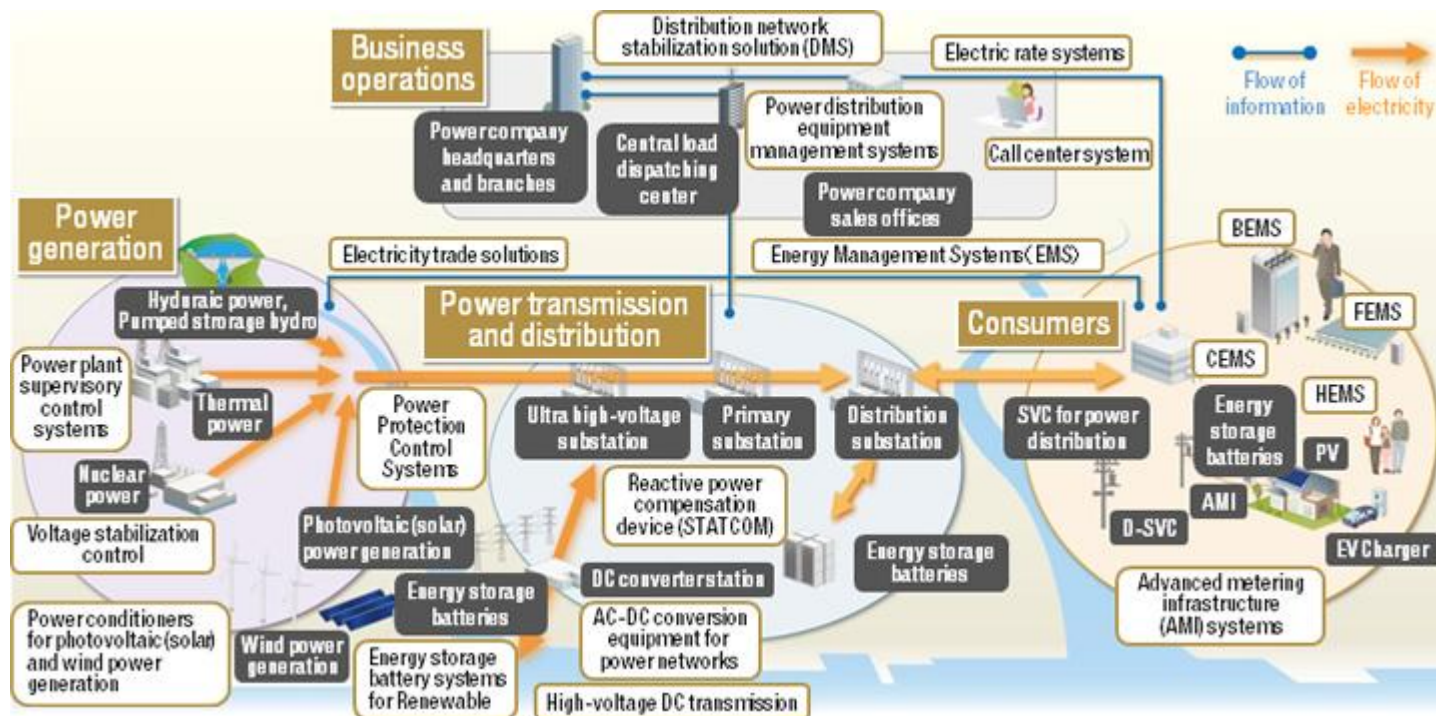


Integrated solution



1. Quality of Access
2. Modal Split
3. Energy Flow Chart
4. Coverage
 1. Persones
 2. Districts
5. Minimum social infrastructure
6. Who pays for it?
7. Legal System ready?
8. Environment

Integrated solution Energy



Future begins tomorrow!



Thanks for listening,
Markus.Ossberger@wienenerlinien.at