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UNDERSTANDING DATA

GRIDS energyCity

Visual Energy Analytics for an Efficient Digital Energy Transition

SUEID 20th Aug. 2018

GRIDSenergyCity

1990 2000 2010 2020 2018 2030 2040 2050

GRIDSenergyCity

Gebiet: Adlikon - Gemeinde Regensdorf

DASHBOARD

RENEWABLES

73%

Prozentualer Anteil erneuerbarer Energien

31 %	Solar
23 %	Wind
19 %	Biomasse

E-MOBILITY

22 139 insgesamt

neue Ladesäulenvorschläge in deinem Gebiet

now

zeitliche Entwicklung

CO2 BALANCE

14.1 t CO_2/Kopf

Sektor 1

Sektor 2

Sektor 3

Sektor 4

Alle Sektoren

BUILDINGS

18.1 K Einwohner

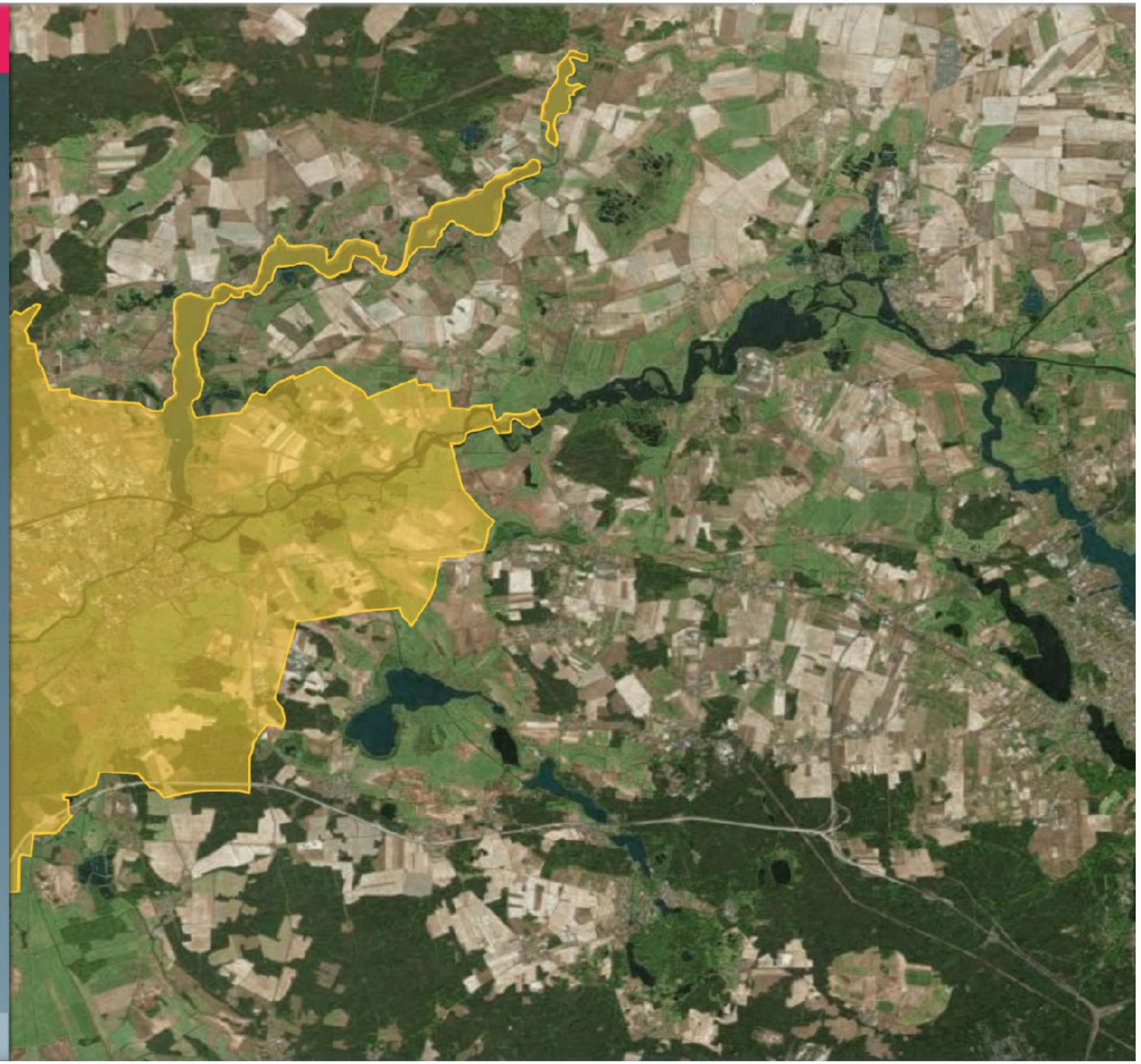
23.4 K Gebäude

233 M m² Fläche

PUBLIC LIGHTING

2.473

Lampen gesamt



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Yverdon-les-Bains Énergies

GRIDSenergyCity

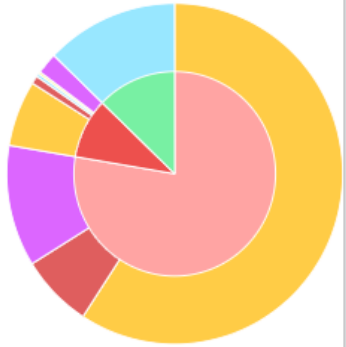
Primary energy consumption
12,809
MWh/a

Final energy consumption
11,840
MWh/a

Heated living space
69,644
m²

CO_2 Emission
2,255.3
t CO_{2eq}

Local energy mix



Outer circle
Consumption by energy carrier

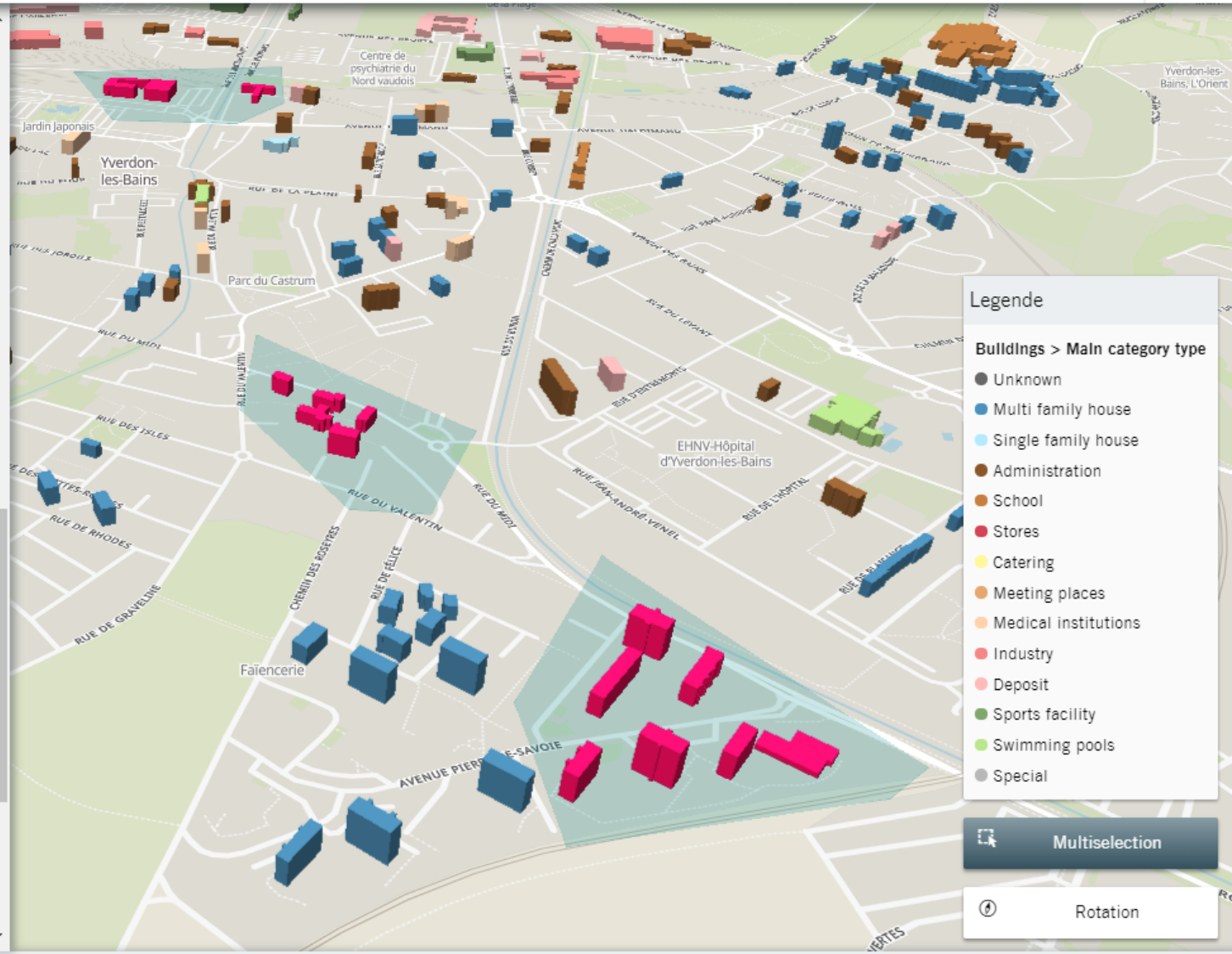
Inner circle
Consumption by energy service

Energy reference area
501.7 m² — 10 ha

Heat consumption
62.86 MWh/a — 50 GWh/a

Heating energy carrier

- ✓ Unknown
- ✓ non-existend
- ✓ Air
- ✓ Geothermal probe
- ✓ Geothermal coil pipe
- ✓ Water
- ✓ Gas
- ✓ Fuel oil
- ✓ Wood
- ✓ Logs
- ✓ Wood pellets
- ✓ Wood chips
- ✓ Thermal withdrawals
- ✓ Electricity



1990 — 2000 — 2010 — 2016 — 2020 — 2030 — 2040 — 2050

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GRIDSenergyCity

Enter a search term...

1800 Vevey
Building ID 840546

2015

KPI | **Detail Information** | Energy Conversion technologies | Needs & consumption | Indicators

General features
Facade
Windows
Roof
Basement
Heat / Cooling

Building ID	840546
Construction year	1992
Main allocation	Administration
Building status	
Energy label	
Altitude	
Living area (m²)	
Height	
Volume (m3)	
Number of floors	5
Neighboring buildings	Freestanding building
Number of residential units	

Unknown
Multi family house
Single family house
Administration
School
Stores
Catering
Meeting places
Medical institutions
Industry
Deposit
Sports facility
Swimming pools
Special

1990 2000 2010 2016 2020 2030 2040 2050

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GRIDS energyCity is the digital platform for the urban Energy Transition

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GRIDS is the digital platform for the Visual Energy Twin of cities, regions and energy service providers

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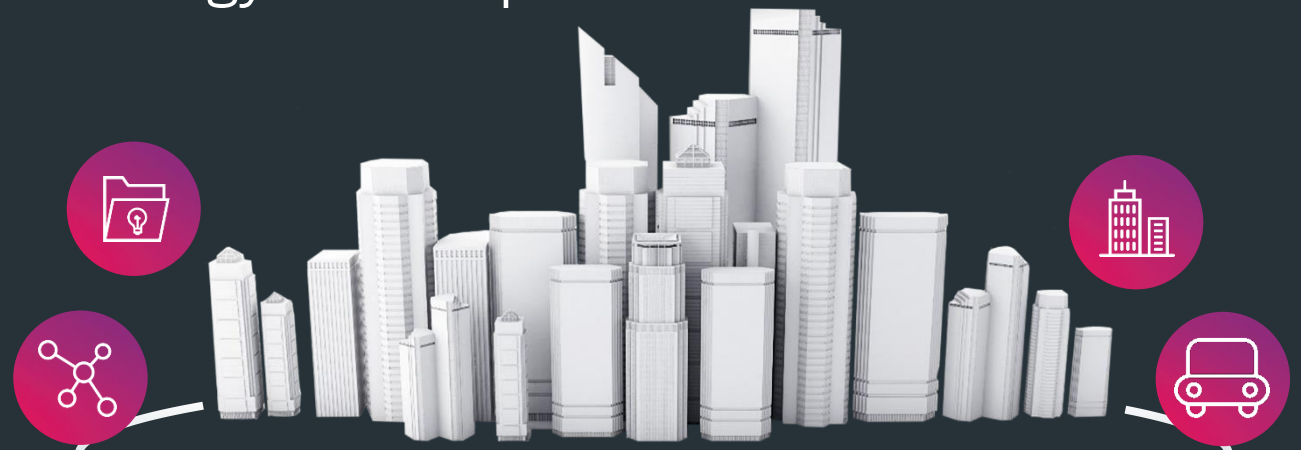
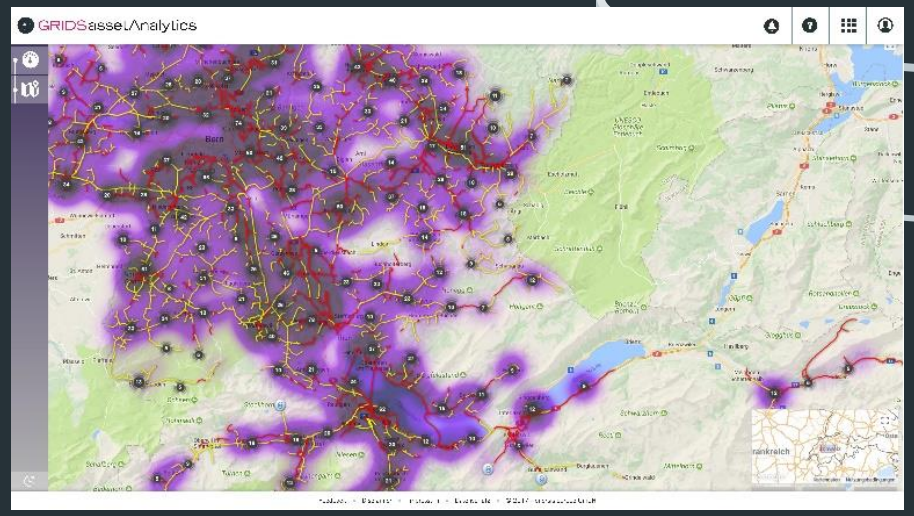
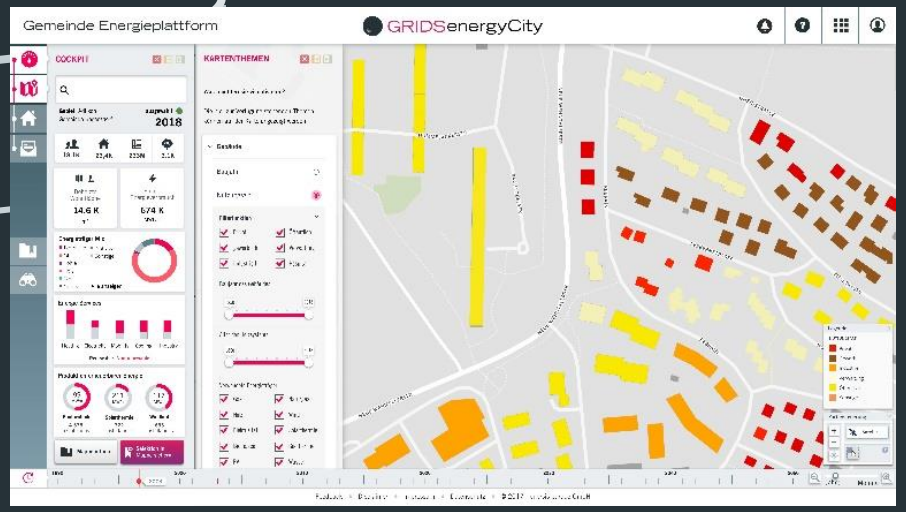


GRIDS platform

processes & infrastructure



objects & services



- Creating transparency
- Supporting decisoins and defining measures
- Controlling progress

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VISUAL ENERGY ANALYTICS AND GRIDS

contact:

Gabriel Ruiz

T +41 79 506 22 15
gabriel.ruiz@ncsa.ch
www.ncsa.ch
www.enersis.ch