



DATEX II PSA webinar

Open data from Austrian energy regulator

PROJECT

- E-Control (Austrian energy regulator)
- National directory for publicly accessible electric charging stations
- Public website
 - <https://www.ladestellen.at/>
 - end customers
- Public API
 - <https://admin.ladestellen.at/#/api/registrieren>
 - CPO's, app developers, traffic information, research, ...

WEBSITE

- Address/location based search
- Filtering options
 - connector type
 - charging power
- Map visualization
- Charge station details

The screenshot displays the website interface for finding charging stations. At the top, there are search filters for 'Typ2' connector and 'ab 50 kW' power, along with a 'Ladestellen finden' button and a heart icon. The main area shows a map of a city street grid with several charging station markers. A detailed information overlay is visible for a station at 'Wien Energie GmbH (VNA)'. The overlay includes the following details:

- Wien Energie GmbH (VNA)**
Schubertring 14, 1010 Wien
Luftlinie 0,08 km
- Kontakt**
Tel: +43800510820
- Öffnungszeiten**
anytime
- Weitere Infos**
Erneuerbare Energie:
Gratis Parken:
- Beschreibung**
Ladestationsgruppe City
- Ladepunkte**
11 kW Typ2
- Infos**
Roaming:
Kostenlos:
EVSE ID: AT*VNA*E1010570010*1

At the bottom of the screen, there is a navigation bar with icons for 'Legende', 'Sprechen Sie mit uns!', 'E-Mobilität', and 'Impressum & Datenschutz'. A large red number '3' is overlaid in the bottom right corner.

API

- Self registration
 - unique API key
- Free of charge
- Online documentation (incl. playground mode)

DATEX II Datex 2 Controller

- GET** /datex2/v3.1-pre/energy-infrastructure-status-publication Get status of energy infrastructure
- GET** /datex2/v3.1-pre/energy-infrastructure-table-publication Get energy infrastructure
- GET** /datex2/versions Get supported DATEX II Versions

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <d2p:payload xsi:type="egi:EnergyInfrastructureStatusPublication" lang="de" modelBasVersion="3" profileName="ladeste...en.at" p...
  xmlns:com="http://datex2.eu/schema/3/common" xmlns:loc="http://datex2.eu/schema/3/locationReferencing" xml...
  xmlns:fcr="http://datex2.eu/schema/3/facilityRelated" xmlns:egi="http://datex2.eu/schema/3/energyInfrastr...
  instance">
    <com:publicationTime>2021-06-07T16:59:05.090+02:00</com:publicationTime>
    <com:publicationCreator>
      <com:country>AT</com:country>
      <com:nationalIdentifier>E-Control</com:nationalIdentifier>
    </com:publicationCreator>
    <egi:tableReference targetClass="egi:EnergyInfrastructureTable" id="energy-infrastructure-sites" version="1618403955344"/>
    <egi:energyInfrastructureSiteStatus>
      <egi:siteReference targetClass="egi:EnergyInfrastructureSite" id="AT-EBM-ETF29226" version="1566547205565"/>
      <egi:lastUpdate>2019-08-23T10:00:05.565+02:00</egi:lastUpdate>
      <egi:openingStatus>open</egi:openingStatus>
      <egi:energyInfrastructureStationStatus infrastructureStationIndex="0">
        <egi:isAvailable>false</egi:isAvailable>
        <egi:refillPointStatus xsi:type="egi:ElectricChargingPointStatus" refillPointIndex="0">
          <egi:currentStatus>unavailable</egi:currentStatus>
          <egi:lastUpdateOverride>2019-09-02T12:54:56.759+02:00</egi:lastUpdateOverride>
        </egi:refillPointStatus>
      </egi:energyInfrastructureStationStatus>
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        </egi:refillPointStatus>
      </egi:energyInfrastructureStationStatus>
    </egi:energyInfrastructureSiteStatus>
    <egi:energyInfrastructureSiteStatus>
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      <egi:lastUpdate>2021-01-29T09:42:11.791+01:00</egi:lastUpdate>
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      <egi:energyInfrastructureStationStatus infrastructureStationIndex="0">
        <egi:isAvailable>false</egi:isAvailable>
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          <egi:lastUpdateOverride>2021-01-29T09:42:12.003+01:00</egi:lastUpdateOverride>
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      <egi:energyInfrastructureStationStatus infrastructureStationIndex="1">
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        <egi:refillPointStatus xsi:type="egi:ElectricChargingPointStatus" refillPointIndex="0">
          <egi:currentStatus>unavailable</egi:currentStatus>
          <egi:lastUpdateOverride>2021-01-29T09:42:13.985+01:00</egi:lastUpdateOverride>
        </egi:refillPointStatus>
      </egi:energyInfrastructureStationStatus>
    </egi:energyInfrastructureSiteStatus>
  </instance>
</d2p:payload>
</d2p:payload>
```

- Format XML + JSON

NEXT STEPS

- Implementing final version 3.2
- Multi version support
 - backwards compatible
- Europe-wide data exchange

Intelligent transport systems – DATEX II data exchange specifications for traffic management and information

Part 10: Energy infrastructure publications

.... will be part of DATEX II,
Version 3.2 as of June 2021

DATEX II

Thank you

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