

```

1  {
2    "payload": {
3      "modelBaseVersionG": "3",
4      "profileNameG": "AFIR Energy Infrastructure",
5      "profileVersionG": "01-00-00",
6      "aegiEnergyInfrastructureTablePublication": {
7        "lang": "de",
8        "publicationTime": "2025-01-10T11:13:51+01:00",
9        "publicationCreator": {
10          "country": "DE",
11          "nationalIdentifier": "DE-NAP-OrganisationXY"
12        },
13        "headerInformation": {
14          "confidentiality": { "value": "noRestriction" },
15          "informationStatus": { "value": "test" }
16        },
17        "energyInfrastructureTable": [ ←
18          {
19            "idG": "2474A514-0E5D-48F9-A908-F185DD4177A2",
20            "versionG": "2",
21            "tableName": "Region Nord",
22            "energyInfrastructureSite": [ ←
23              {
24                "idG": "21F02723-CF84-4380-84D4-050917836C7C",
25                "versionG": "1",
26                "accessibility": [
27                  { "value": "barrierFreeAccessible" }
28                ],

```

Dokumentationsversion 01-00-00 Revision 1

Eine Table als reines Hierarchieelement

Ein Ladehub - Ansammlung von Ladestationen, auch in Verbindung mit Parkplätzen

```

29      "additionalInformation": [
30        {
31          "values": [
32            {
33              "lang": "de",
34              "value": "Zusatzinformationen"
35            }
36          ]
37        }
38      ],
39      "informationWebsite": [
40        {"urlLinkAddress": "https://---.com"}
41      ],
42      "operatingHours": {
43        "afacOpenAllHours": {}
44      },
45      "locationReference": {
46        "locAreaLocation": {
47          "coordinatesForDisplay": {
48            "latitude": 50.779599,
49            "longitude": 6.104507
50          },
51          "locLocationExtensionG": {
52            "facilityLocation": {
53              "address": {
54                "postcode": "55555",
55                "city": {
56                  "values": [

```

Georeferenzierung der Site - Optional, aber empfohlen.
Möglichkeiten: WGS84-Koordinaten, OpenLR Punkt oder Fläche, GML Polygon, Adresse.

Wird eine Flächendefinition verwendet, können Punkt-Koordinaten über coordinatesForDisplay mitgegeben werden.

Falls kein geeigneter Punkt bekannt ist, können die Koordinaten der ersten Ladestation verwendet werden.

Ein- und Ausfahrten können bei Bedarf an anderer Stelle eigenständig spezifiziert werden

```
57          {
58              "lang": "de",
59              "value": "Musterstadt"
60          }
61      ]
62 },
63 "countryCode": "DE",
64 "addressLine": [
65     {
66         "order": 0,
67         "type": { "value": "street" },
68         "text": {
69             "values": [
70                 {
71                     "lang": "de",
72                     "value": "Hauptstraße"
73                 }
74             ]
75         }
76     },
77     {
78         "order": 1,
79         "type": { "value": "houseNumber" },
80         "text": {
81             "values": [
82                 {
83                     "lang": "de",
84                     "value": "12"
```

```

85
86
87
88
89
90
91
92 },
93 "gmlMultiPolygon": {
94   "gmlPolygon": [
95     {
96       "exterior": {
97         "srsDimension": 2,
98         "srsName": "EPSG 4326 WGS84",
99         "posList": "50.77978 6.10437 50.7797 6.10411 50.7795 6.10422
100        50.77956 6.10473 50.77982 6.10469 50.77978 6.10437"
101      }
102    }
103  }
104 }
105 },
106 "operator": {
107   "afacAnOrganisation": {
108     "name": {
109       "values": [
110         {
111           "lang": "de",


```

```
112                     "value": "Operator XYZ"
113                 }
114             ]
115         },
116     "legalName": {
117         "values": [
118             {
119                 "lang": "de",
120                 "value": "Operator XYZ"
121             }
122         ]
123     },
124     "organisationUnit": [
125         {
126             "name": {
127                 "values": [
128                     {
129                         "lang": "de",
130                         "value": "Niederlassung West"
131                     }
132                 ]
133             },
134             "contactInformation": [
135                 {
136                     "afacContactInformation": {"eMail": "email@operator.com"}
137                 }
138             ]
139         }
```

```

140 ],
141 "externalIdentifier": [
142 {
143     "identifier": "[Operator-ID, 3-stellig]",
144     "typeOfIdentifier": {
145         "value": "extendedG",
146         "extendedValueG": "operatorId"
147     }
148 },
149 {
150     "identifier": "[BNetzA-ID des Operators]",
151     "typeOfIdentifier": {
152         "value": "extendedG",
153         "extendedValueG": "operatorIdBNetzA"
154     }
155 }
156 ]
157 }
158 },
159 "dedicatedParkingSpaces": [
160 {
161     "idG": "13D7BE2D-07BC-4358-B3E3-AD0C75",
162     "versionG": "1",
163     "applicableForVehicles": [
164 {
165         "vehicleType": [
166             { "value": "car" }
167 ]

```

Auf Site-Ebene, optional: Anzahl der Parkplätze, die insgesamt auf dem Gelände zur Verfügung stehen (hier: 25 für PKW, 0 für LKW)

Es handelt sich um ein eigenes Facility-Objekt, d.h. die Parkplätze könnten hier sehr umfangreich weiter beschrieben werden, z.B. mit Lage, Abmessungen, erlaubten Fahrzeugarten, Betriebszeiten

Dem Objekt müssen mit idG und versionG eine ID und Version zugeordnet werden (technisch verpflichtend), diese werden aber an keiner Stelle referenziert und sind daher nicht weiter relevant.

Optionale Angabe

```
168         }
169     ],
170     "numberOfSpaces": 25
171 },
172 {
173     "idG": "0F6682EC-0884-499B-AE29-8DFFF510945F",
174     "versionG": "1",
175     "applicableForVehicles": [
176         {
177             "vehicleType": [
178                 { "value": "lorry" }
179             ]
180         }
181     ],
182     "numberOfSpaces": 0
183 }
184 ],
185     "typeOfSite": { "value": "openSpace" },
186     "brand": {
187         "values": [
188             {
189                 "lang": "de",
190                 "value": "E-Energy"
191             }
192         ]
193     },
194     "exclusiveUsers": [
195         { "value": "allUsers" }
```

Hier wäre es möglich, bestimmte Nutzergruppen vorzugeben,
z.B. nur subscribers

```
196      ] ,  
197      "serviceType" : [ ← Physikalische Anwesenheit von Personal MO-FR von 7 bis 20 Uhr  
198      {  
199          "serviceType" : { "value" : "physicalAttendance" } ,  
200          "overallPeriod" : {  
201              "overallStartTime" : "2024-01-01T00:00:00+01:00" ,  
202              "overallEndTime" : "2026-12-31T23:59:00+01:00" ,  
203              "validPeriod" : [  
204                  {  
205                      "recurringTimePeriodOfDay" : [  
206                          {  
207                              "startTimeOfPeriod" : "07:00:00+01:00" ,  
208                              "endTimeOfPeriod" : "20:00:00+01:00"  
209                          }  
210                      ] ,  
211                      "recurringDayWeekMonthPeriod" : [  
212                          {  
213                              "comDayWeekMonth" : {  
214                                  "applicableDay" : [  
215                                      { "value" : "monday" } ,  
216                                      { "value" : "tuesday" } ,  
217                                      { "value" : "wednesday" } ,  
218                                      { "value" : "thursday" } ,  
219                                      { "value" : "friday" }  
220                                  ]  
221                          }  
222                      }  
223                  ]  
224              }  
225          }  
226      }  
227  ]
```

```
224          }
225      ]
226      }
227  },
228 ],
229 "entrance": [
230 {
231     "locPointLocation": {
232         "coordinatesForDisplay": {
233             "latitude": 50.77959,
234             "longitude": 6.10450
235         },
236         "supplementaryPositionalDescription": {
237             "locationDescription": {
238                 "values": [
239                     {
240                         "lang": "de",
241                         "value": "Zusatzinformationen zur Einfahrt"
242                     }
243                 ]
244             }
245         },
246         "pointByCoordinates": {
247             "pointCoordinates": {
248                 "latitude": 50.77959,
249                 "longitude": 6.10450
250             }
251         }
252     }
253 }
```

Optional: Zufahrt zur Site (es können mehrere Zu- und Abfahrten angegeben werden)

Zunächst Koordinaten für eine Map-Ansicht (hier im Beispiel unverändert zur Site, sonst aber sinnvollerweise nicht exakt identisch)

Optionale Zusatzinformationen (Freitext)

WGS84 Koordinaten (hier im Beispiel unverändert zum Hub (Site), sonst aber sinnvollerweise nicht exakt identisch)

```
252         }
253     }
254   ],
255   "mobilityServiceProvider": [
256   {
257     "afacAnOrganisation": {
258       "name": {
259         "values": [
260           {
261             "lang": "de",
262             "value": "Mobility service provider XY"
263           }
264         ]
265       },
266       "available24hours": false,
267       "legalName": {
268         "values": [
269           {
270             "lang": "de",
271             "value": "Mobility service provider XY GmbH"
272           }
273         ]
274       },
275       "linkToLogo": "https://_____",
276       "type": { "value": "privateSector" },
277       "organisationUnit": [
278       {
279         "contactInformation": [
```

Vertragspartner, definiert auf der Hub-Ebene (Site). Dieser Vertragspartner ist für alle Ladestationen dieses Hubs gültig ('Vererbung')

```
280          {
281              "afacContactPerson": {
282                  "name": "Max Mustermann",
283                  "eMail": "max.mustermann@mail.de"
284              }
285          }
286      ]
287  }
288 ]
289 }
290 ],
291 "energyInfrastructureStation": [
292     {
293         "idG": "68722A13-ECD6-4A51-8D6D-01A933F2D3DF",
294         "versionG": "1",
295         "lastUpdated": "2025-01-10T11:13:51+01:00",
296         "description": {
297             "values": [
298                 {
299                     "lang": "de",
300                     "value": "evt. genauere Beschreibung"
301                 }
302             ]
303         },
304     },
305     "accessibility": [
306         { "value": "barrierFreeAccessible" }
307     ]
```

Erste Ladestation des Hub (Site)

```
308     "additionalInformation": [
309         {
310             "values": [
311                 {
312                     "lang": "de",
313                     "value": "evt. Zusatzinformationen"
314                 }
315             ]
316         }
317     ],
318     "externalIdentifier": [
319         {
320             "identifier": "[Ladestations-ID der Bundesnetzagentur]",
321             "typeOfIdentifier": {
322                 "value": "extendedG", ←
323                 "extendedValueG": "stationIdBNetzA" →
324             }
325         }
326     ],
327     "informationWebsite": [
328         { "urlLinkAddress": "https://-----" }
329     ],
330     "photoUrl": [
331         { "urlLinkAddress": "https://-----" }
332     ],
333     "operatingHours": {
334         "afacOpenAllHours": {}
335     },
```

Optionale Angabe

```

336 "locationReference": {
337     "locPointLocation": {
338         "coordinatesForDisplay": {
339             "latitude": 50.77959, ←
340             "longitude": 6.10450
341         },
342         "locLocationExtensionG": {
343             "facilityLocation": {
344                 "timeZone": "+01:00",
345                 "address": {
346                     "postcode": "55555",
347                     "city": {
348                         "values": [
349                             {
350                                 "lang": "de",
351                                 "value": "Musterstadt"
352                             }
353                         ]
354                     },
355                     "countryCode": "DE",
356                     "addressLine": [
357                         {
358                             "order": 0,
359                             "type": {"value": "street"},
360                             "text": {
361                                 "values": [
362                                     {
363                                         "lang": "de",
364                                         "value": "Musterstraße 123"
365                                     }
366                                 ]
367                             }
368                         }
369                     ]
370                 }
371             }
372         }
373     }
374 }

```

Optional: WGS84-Koordinaten für eine Kartendarstellung, evtl. etwas abweichend von der detaillierten, eigentlichen Punktangabe (ebenfalls in WGS84, siehe weiter unten ab Zeile 401)

Für die Georeferenzierung einer Ladestation sind verpflichtend: WGS84 Koordinaten (pointByCoordinates, siehe ab Zeile 401), Adresse, NUTS1-Code
Zusätzlich möglich: OpenLR und Zusatz-Informationen

Verpflichtende Angabe: Zeitzone sowie Adresse inkl. Land, Stadt, ggf. Straße und Hausnummer

```

364                     "value": "Hauptstraße"
365                 }
366             ]
367         }
368     },
369     {
370         "order": 1,
371         "type": { "value": "houseNumber" },
372         "text": {
373             "values": [
374                 {
375                     "lang": "de",
376                     "value": "12"
377                 }
378             ]
379         }
380     }
381 },
382 "nutsArea": [
383     {
384         "nutsCodeType": { "value": "nuts1Code" },
385         "nutsCode": "DEA"
386     }
387 ],
388 }
389 },
390 "supplementaryPositionalDescription": {

```

Verpflichtende Angabe des NUTS-Codes
für den Standort (Bundesland) der
Ladestation.

Hier 'DEA' für Nordrhein-Westfalen

(NUTS-Codes weiterer Ebenen optional)

Zusatzinformationen (Freitext), z.B. auch
über Parkdeck etc.; außerdem
Präzisionsangabe f.d. Georeferenzierung
möglich

```
392         "locationDescription": {
393             "values": [
394                 {
395                     "lang": "de",
396                     "value": "Zusatzinformationen"
397                 }
398             ]
399         },
400     },
401     "pointByCoordinates": {
402         "pointCoordinates": {
403             "latitude": 50.77959,
404             "longitude": 6.10450
405         }
406     }
407 }
408 },
409 "operator": {
410     "afacAnOrganisation": {
411         "name": {
412             "values": [
413                 {
414                     "lang": "de",
415                     "value": "[Name des Betreibers]"
416                 }
417             ]
418         },
419         "legalName": {
```

Verpflichtende Koordinaten-Angaben
WGS84

Hier auch OpenLR möglich

Verpflichtende Angabe:
Kommerzieller Name des
Betreibers

Verpflichtende Angabe:
Offizieller Name des Betreibers

```

420         "values": [
421             {
422                 "lang": "de",
423                 "value": "[Offizielle Bezeichnung des Betreibers]"
424             }
425         ],
426     },
427     "externalIdentifier": [
428         {
429             "identifier": "[Operator-ID, 3-stellig]",
430             "typeOfIdentifier": {
431                 "value": "extendedG",
432                 "extendedValueG": "operatorId"
433             }
434         },
435         {
436             "identifier": "[BNetzA-ID des Operators]",
437             "typeOfIdentifier": {
438                 "value": "extendedG",
439                 "extendedValueG": "operatorIdBNetzA"
440             }
441         }
442     ]
443   },
444   },
445   "helpdesk": {
446     "afacReferenceableOrganisation": {
447       "idG": "DCC5768C-6852-4AB2-880D-E0409A3CC239",

```

Hier viele weitere Angaben möglich, mit Geschäftsbereichen und Kontaktinformationen (siehe z.B. weiter unten bei Helpdesk ab Zeile 457)

verpflichtende Angabe, siehe <https://bdew-codes.de/Codenumber/EMobilityId>

Optionale Angabe

verpflichtende Angabe
Da das Helpdesk auch andernorts referenziert werden soll, ist die Nutzung einer afacReferenceableOrganisation sinnvoll

```
448         "versionG": "2",
449         "name": {
450             "values": [
451                 {
452                     "lang": "de",
453                     "value": "Ihre Helpdesk GmbH"
454                 }
455             ]
456         },
457         "organisationUnit": [
458             {
459                 "contactInformation": [
460                     {
461                         "afacContactInformation": { "telephoneNumber": "+492410000000" }
462                     }
463                 ],
464                 "operatingHours": {
465                     "afacOperatingHoursSpecification": {
466                         "idG": "D3AD3210-CCD0-4AD5-9E70-B582251F69AA",
467                         "versionG": "3",
468                         "overallPeriod": {
469                             "overallStartTime": "2025-01-01T00:00:00+01:00",
470                             "overallEndTime": "2025-12-31T23:59:00+01:00",
471                             "validPeriod": [
472                                 {
473                                     "recurringTimePeriodOfDay": [
474                                         {
```

verpflichtende Angabe

Verfügbarkeit des Helpdesks im Jahr 2025: Täglich von 6 bis 23 Uhr außer an Sonn- und Feiertagen, außerdem nicht vom 15.-22. Juli 2025

```
475                     "startTimeOfPeriod": "06:00:00+01:00",
476                     "endTimeOfPeriod": "23:00:00+01:00"
477                 }
478             ]
479         }
480     ],
481     "exceptionPeriod": [
482     {
483         "recurringDayWeekMonthPeriod": [
484         {
485             "comDayWeekMonth": {
486                 "applicableDay": [
487                     {"value": "sunday"}
488                 ]
489             }
490         }
491     ],
492     "recurringSpecialDay": [
493     {
494         "comSpecialDay": {
495             "intersectWithApplicableDays": false,
496             "specialDayType": {"value": "publicHoliday"}
497         }
498     }
499     ]
500 },
501 {
502     "startOfPeriod": "2025-07-15T00:00:00+02:00",
```

```
503                     "endOfPeriod": "2025-07-22T23:59:59+02:00"
504                 }
505             ]
506         }
507     }
508 }
509 ]
510 }
511 }
512 },
513 "applicableForVehicles": [
514 {
515     "grossWeightCharacteristic": [
516     {
517         "comparisonOperator": { "value": "lessThan" },
518         "grossVehicleWeight": 2,
519         "typeOfWeight": { "value": "actual" }
520     }
521 ],
522     "comVehicleCharacteristicsExtensionG": {
523         "euVehicleCategory": [
524             { "value": "l" },
525             { "value": "m1" }
526         ]
527     }
528 }
529 ],
530     "amenities": {
```

Erlaubt sind hier nur Fahrzeuge der EU Kategorie L und M1 mit einem aktuellen Gesamtgewicht unter 2 Tonnen

Überdacht aber nicht beleuchtet.
Es existiert aber ein beleuchteter
Ladeplatz in der Nähe

```

531         "illuminated": false,
532         "roofed": true,
533         "illuminatedRechargingParkingNearby": true
534     },
535     "supplementalFacility": [
536     {
537         "afacSupplementalEquipment": {
538             "idG": "60527483-026C-4745-ACEA-E8D27E0D95B3",
539             "versionG": "1",
540             "equipmentType": { "value": "restingFacilities" }
541         }
542     },
543     {
544         "afacSupplementalEquipment": {
545             "idG": "AF09B7AC-B5B1-4FA1-AACF-E098AFB7EFC0",
546             "versionG": "1",
547             "quantity": 2,
548             "equipmentType": { "value": "paymentMachine" }
549         }
550     }
551 ],
552     "dedicatedParkingSpaces": [
553     {
554         "idG": "A6450D0F-1B74-4B8E-9388-E7A252FC0B66",
555         "versionG": "1",
556         "accessibility": [
557             { "value": "barrierFreeAccessible" }
558         ],

```

Es gibt einen Aufenthaltsraum

Die EU-Regulierung fordert die Angabe von Bezahlautomaten, falls vorhanden.
Hier gibt es 2 Stück.

Unmittelbar zur Ladestation gehören 2 Parkplätze für die EU-Vehicle Kategorie m1, barrierefrei, überdacht aber nicht beleuchtet:

```

559         "applicableForVehicles": [
560             {
561                 "comVehicleCharacteristicsExtensionG": {
562                     "euVehicleCategory": [
563                         { "value": "1" },
564                         { "value": "m1" }
565                     ]
566                 }
567             }
568         ],
569         "amenities": {
570             "illuminated": false,
571             "roofed": true
572         },
573         "numberOfSpaces": 2
574     },
575     {
576         "idG": "A6450D0F-1B74-4B8E-9388-E7A252FC0B66",
577         "versionG": "1",
578         "locationReference": {
579             "locPointLocation": {
580                 "pointByCoordinates": {
581                     "pointCoordinates": {
582                         "latitude": 50.779599,
583                         "longitude": 6.104507
584                     }
585                 }
586             }
587         }
588     }
589 
```

Ein weiterer Platz speziell für Nutzer mit Einschränkungen, hier auch noch mit Breiten-Info und Koordinaten

Koordinaten nur beispielhaft

```
587     },
588     "dimension": { "width": 4 },
589     "numberOfSpaces": 1,
590     "userSpecific": [
591         { "value": "personsWithDisabilities" }
592     ]
593 }
594 ],
595 "totalMaximumPower": 100000,
596 "authenticationAndIdentificationMethods": [
597     { "value": "activeRFIDChip" },
598     { "value": "creditCard" }
599 ],
600 "numberOfRefillPoints": 2, <-- Die Ladestation hat 2 Ladepunkte
601 "userInterfaceLanguage": [ "de" ],
602 "energyDistributor": {
603     "afacOrganisationByReference": {
604         "organisationReference": { <-- Netzbetreiber, dieser sei bereits
605             "targetClass": "afacIdentifiableOrganisation",
606             "idG": "01B5CCA0-E746-4084-9EEB-47F0DB297AB0",
607             "versionG": "1"
608         }
609     }
610 },
611 "mobilityServiceProvider": [
612     {
613         "afacAnOrganisation": {
614             "name": {
```

```
615                 "values": [
616                     {
617                         "lang": "de",
618                         "value": "Stromanbieter ABC3"
619                     }
620                 ]
621             }
622         }
623     }
624 ],
625     "roamingPlatform": [
626     {
627         "afacAnOrganisation": {
628             "name": {
629                 "values": [
630                     {
631                         "lang": "de",
632                         "value": "Roaming1"
633                     }
634                 ]
635             }
636         }
637     },
638     {
639         "afacAnOrganisation": {
640             "name": {
641                 "values": [
642                     {
```

```
643                     "lang": "de",
644                     "value": "Roaming2"
645                 }
646             ]
647         }
648     }
649 },
650 {
651     "afacAnOrganisation": {
652         "name": {
653             "values": [
654                 {
655                     "lang": "de",
656                     "value": "Roaming3"
657                 }
658             ]
659         }
660     }
661 }
662 ],
663 "serviceType": [
664     {
665         "serviceType": { "value": "unattended" }
666     }
667 ],
668 "refillPoint": [           ← 1. Ladepunkt
669     {
670         "aegiElectricChargingPoint": {
```

```

671         "idG": "73ABE928-707D-4A99-8043-4293EE685504",
672         "versionG": "2",
673         "externalIdentifier": [
674             {
675                 "identifier": "DEABCDEXXXXXX12345",
676                 "typeOfIdentifier": {
677                     "value": "extendedG",
678                     "extendedValueG": "evseId"
679                 }
680             }
681         ],
682         "deliveryUnit": { "value": "kWh" },
683         "modelType": {
684             "values": [
685                 {
686                     "lang": "de",
687                     "value": "Anschlusstyp AB123"
688                 }
689             ]
690         },
691         "currentType": { "value": "ac" },
692         "usageType": [
693             { "value": "electricVehicle" }
694         ],
695         "vehicleToGridCommunicationType": [
696             { "value": "iso15118" }
697         ],
698         "numberOfConnectors": 2,

```

Die EVS-ID nach ISO 15118-2 muss verpflichtend entweder beim Ladepunkt (wie hier) oder den Connectoren angegeben werden

2 verschiedene Stecker verfügbar
(Einzeldefinition weiter unten)

```
699         "availableVoltage": [
700             200,
701             400
702         ],
703         "availableChargingPower": [
704             50000, ←
705             22000,
706             11000
707         ],
708         "smartRechargingServices": [
709             { "value": "remoteMonitoring" },
710             { "value": "bidirectionalRecharging" },
711             { "value": "powerOptimisationByUser" },
712             { "value": "plugAndCharge" } ←
713         ],
714         "otherSmartRechargingServices": [
715             {
716                 "values": [
717                     {
718                         "lang": "de",
719                         "value": "weitere smart recharging Services"
720                     }
721                 ]
722             }
723         ],
724         "connector": [
725             {
726                 "connectorType": { "value": "iec62196T2" },
```

Mögliche Ladeleistungen - der erste Wert muss der Maximal-Wert (verpflichtend)

Angabe plugAndCharge verpflichtend, falls diese Technik verfügbar

```
727     "maxPowerAtSocket": 22000
728   },
729   {
730     "connectorType": { "value": "chademo" },
731     "maxPowerAtSocket": 50000
732   }
733 ],
734 "electricEnergy": [
735   {
736     "energyProductName": {
737       "values": [
738         {
739           "lang": "de",
740           "value": "la Strommix"
741         }
742       ]
743     },
744     "energyProductInformation": "https://_____",
745     "renewableEnergyEvidence": "https://_____",
746     "energyRate": [
747       {
748         "idG": "74034E3E-9D2F-4410-BE6F-CAA3176D69B4",
749         "ratePolicy": { "value": "adHoc" },
750         "lastUpdated": "2025-01-10T11:13:51+01:00",
751         "applicableCurrency": [ "EUR" ],
752         "payment": {
753           "paymentMeans": [
754             { "value": "emv" },
755             { "value": "visa" }
756           ]
757         }
758       }
759     ]
760   }
761 ],
762 "maxPowerAtSocket": 50000
763 }
```

Eine (nicht näher spezifizierte) Energieform/Stromart, die per adHoc-Preis angeboten wird. Electric Energy kann sowohl an einem ElectricChargingPoint definiert werden (wie hier) oder direkt an der E.I.Station

Preisgestaltung für diese Stromart

Ad-Hoc Preis, zahlbar mit VISA oder über die Webseite

Zur Förderung klimabewussten Ladens und zur Stärkung der Glaubwürdigkeit bei der Grünstrombeschaffung durch Ladepunktbetreiber wird die Nutzung der folgenden beiden Datenfelder ausdrücklich empfohlen:

Link zu einer Webseite, die die Stromzusammensetzung, Tarifdetails oder andere produktbezogene Informationen enthält.

Link direkt auf eine Zertifizierung (z. B. Herkunftsachweis, Zertifizierung) oder eine entsprechende Informationsseite, die den Ökostromnachweis dokumentiert.

Achtung: Eine AdHoc-Preisdefinition wird durch die EU-Regulierung gefordert, und insbesondere muss der AdHoc-Preis auch im dynamischen Datenteil angegeben (d.h. überschrieben) werden

```

755                     { "value": "website" }
756                 ] ,
757                 "brandsAccepted": [
758                     { "value": "visa" }
759                 ]
760             } ,
761             "energyPrice": [
762                 {
763                     "priceType": { "value": "pricePerKWh" },
764                     "value": 0.35
765                 }
766             ]
767         }
768     ]
769 }
770 {
771     "energyProductName": {
772         "values": [
773             {
774                 "lang": "de",
775                 "value": "Grüner Strom"
776             }
777         ]
778     },
779     "mobilityServiceProvider": [
780         {
781             "afacOrganisationByReference": {
782                 "organisationReference": {

```

Eine weitere Stromart: Grüne Energie, per Vertrag beziehbar

Referenz auf den zuvor bereits definierten Vertragspartner.

Dies ist nicht der Vertragspartner, der bereits für den Hub (Site) spezifiziert wurde (ab Zeile 255) - dieser ist durch 'Vererbung' zuätzlich verfügbar für diese Ladestation.

```
783                     "targetClass": "afacIdentifiableOrganisation",
784                     "idG": "A1633959-F0BE-4F48-85CC-1A9FAE2BF34B"
785                 }
786             }
787         }
788     ],
789     "energyRate": [
790     {
791         "idG": "9C07640B-7ECE-46EC-A23F-417E99C53F33",
792         "ratePolicy": { "value": "contract" },
793         "lastUpdated": "2025-01-10T11:13:51+01:00",
794         "applicableCurrency": [ "EUR" ],
795         "rateName": {
796             "values": [
797                 {
798                     "lang": "de",
799                     "value": "GrünTarif 1AB"
800                 }
801             ]
802         },
803         "energyPrice": [
804             {
805                 "priceType": { "value": "pricePerKWh" },
806                 "value": 0.3,
807                 "overallPeriod": {
808                     "overallStartTime": "2025-01-01T00:00:00+01:00",
809                     "overallEndTime": "2025-12-31T23:59:59+01:00",
810                     "validPeriod": [
```

Nachpreis



```
811
812                     {
813                         "recurringTimePeriodOfDay": [
814                             {
815                                 "startTimeOfPeriod": "21:00:00+01:00",
816                                 "endTimeOfPeriod": "06:00:00+01:00"
817                             }
818                         ]
819                     }
820                 }
821             ]
822         }
823     ]
824   ]
825 ]
826 ]
827 }
828 },
829 {
830     "aegiElectricChargingPoint": {
831         "idG": "35E5FC89-E2C9-4946-8E70-6A2C56E0BD7E",
832         "versionG": "1",
833         "deliveryUnit": { "value": "kWh" },
834         "currentType": { "value": "ac" },
835         "usageType": [
836             { "value": "electricVehicle" }
837         ],
838         "vehicleToGridCommunicationType": [
```

2. Ladepunkt

2. Ladepunkt

```
839             { "value": "iec619802" }  
840         ],  
841         "numberOfConnectors": 1,  
842         "availableVoltage": [ 400 ],  
843         "availableChargingPower": [ 40000 ],  
844         "smartRechargingServices": [  
845             { "value": "remoteMonitoring" }  
846         ],  
847         "connector": [  
848             {  
849                 "connectorType": { "value": "other" },  
850                 "otherConnector": "Some other connector type",  
851                 "maxPowerAtSocket": 40000  
852             }  
853         ],  
854         "electricEnergy": [  
855             {  
856                 "energyRateByReference": [  
857                     {  
858                         "targetClass": "aegiEnergyRate",  
859                         "idG": "9C07640B-7ECE-46EC-A23F-417E99C53F33"  
860                     }  
861                 ]  
862             }  
863         ]  
864     }  
865 }  
866 ] ,
```

Der 2. Ladepunkt nutzt den gleichen Tarif "GrünTarif 1AB" wie zuvor schon definiert beim 1. Punkt. Die Referenz dürfte auch auf eine Tarifdefinition in einer anderen EnergyInfrastructureSite oder EnergyInfrastructureTable verweisen



```

867     "electricEnergy": [
868     {
869         "isGreenEnergy": true,
870         "mobilityServiceProvider": [
871         {
872             "afacOrganisationByReference": {
873                 "organisationReference": {
874                     "targetClass": "afacIdentifiableOrganisation",
875                     "idG": "A1633959-F0BE-4F48-85CC-1A9FAE2BF34B"
876                 }
877             }
878         },
879     ],
880     "energyProductInformation": "https://_____",
881     "renewableEnergyEvidence": "https://_____",
882     "energyRate": [
883     {
884         "idG": "A1633959-F0BE-4F48-85CC-1A9FAE2BF34B",
885         "ratePolicy": { "value": "adHoc" },
886         "lastUpdated": "2025-01-10T11:13:51+01:00",
887         "applicableCurrency": [ "EUR" ],
888         "payment": {
889             "paymentMeans": [
890                 { "value": "emv" },
891                 { "value": "nfc" }
892             ]
893         }
894     }

```

Auf Ladestations-Ebene:
 Verpflichtende Angaben bezügl.
 Bezahlmöglichkeiten und
 Vertragspartnern AdHoc-Strom
 wird durch den Provider
 "ABC3" (mittels Referenz)
 angeboten; es handelt sich um
 100% erneuerbaren Strom.
 Dieser kann mit EMV-Chip oder
 per NFC bezahlt werden.

Hinweise siehe weiter oben
 Zeile 744/745

Hinweis: Diese Bezahlmethoden
 implizieren im Sinne der
 EU-Regulierung, dass ein entsprechender
 Bezahl-Automat (vermutlich integriert in
 die Ladestation) vorhanden ist

```
895         ]
896     },
897     {
898         "isGreenEnergy": true,
899         "mobilityServiceProvider": [
900             {
901                 "afacReferenceableOrganisation": {
902                     "idG": "A1633959-F0BE-4F48-85CC-1A9FAE2BF34B",
903                     "versionG": "1",
904                     "name": {
905                         "values": [
906                             {
907                                 "lang": "de",
908                                 "value": "Vertragspartner XY"
909                             }
910                         ]
911                     },
912                     "linkToGeneralInformation": "linkToGeneralInformation",
913                     "linkToWebform": "https://contact.me"
914                 }
915             }
916         ],
917         "energyRate": [
918             {
919                 "idG": "4C55D08A-20D5-4A7A-8067-81AB5E15E738",
920                 "ratePolicy": { "value": "contract" },
921                 "lastUpdated": "2025-01-10T11:13:51+01:00",
922                 "applicableCurrency": [ "EUR" ],
```

Der Vertragspartner wird später nochmals referenziert, daher als Referenceable Organisation

```

923         "payment" : {
924             "paymentMeans" : [
925                 { "value" : "qrCode" } ,
926                 { "value" : "website" }
927             ]
928         }
929     }
930   ]
931 }
932 ]
933 } ,
934 {
935     "idG": "0563BFAD-646D-4A19-9E5C-6D4599FAAF6A" ,
936     "versionG": "3" ,
937     "externalIdentifier": [
938         {
939             "identifier": "[Ladestations-ID der Bundesnetzagentur]" ,
940             "typeOfIdentifier": {
941                 "value": "extendedG" ,
942                 "extendedValueG": "stationIdBNetzA"
943             }
944         }
945     ],
946     "locationReference": {
947         "locPointLocation": {
948             "coordinatesForDisplay": {
949                 "latitude": 50.779594 ,
950                 "longitude": 50.779594

```

- Exakte Punkt-Koordinaten der Ladestation (WGS84; DATEX verlangt eigentlich ETRS89, WGS84 als Rückfallebene)**: A callout box pointing to the 'coordinatesForDisplay' field at line 948.
- Zweite Ladestation**: A callout box pointing to the second station object at line 934.
- Vertrags-Strom wird durch den Vertragspartner XY angeboten; Dieser kann mit QR-Code oder über die Webseite bezahlt werden**: A callout box pointing to the payment means at line 925.
- Optionale Angabe**: A callout box pointing to the 'extendedValueG' field at line 942.
- ACHTUNG: Das Beispiel der 2. Ladestation ist nicht mehr vollständig ausgearbeitet. Es ist syntaktisch korrekt, enthält aber nicht alle verpflichtenden Elemente, sondern nurmehr eine Anschauung weiterer Möglichkeiten**: An orange callout box pointing to the incomplete second station object.

```

951         }
952     }
953 },
954 "dedicatedParkingSpaces": [
955 {
956     "idG": "BC3BBA0E-14B1-461E-83B2-1CF5A0118B9F",
957     "versionG": "1",
958     "accessibility": [
959         { "value": "barrierFreeAccessible" }
960     ],
961     "locationReference": {
962         "locAreaLocation": {
963             "gmlMultiPolygon": {
964                 "gmlPolygon": [
965                     {
966                         "exterior": {
967                             "srsDimension": 2,
968                             "srsName": "EPSG 4326 WGS84",
969                             "posList": "50.77967 6.10438 50.77964 6.10439
969 50.77964 6.10448 50.77969 6.10447 50.77977 6.10445 50.77967 6.10438"
970                         }
971                     }
972                 ]
973             }
974         }
975     },
976     "applicableForVehicles": [
977

```

Unmittelbar zur Ladestation gehört 1 Parkplatz (sehr detaillierte Beschreibung) und keiner für Nutzer mit Beeinträchtigung (ab Zeile 999)

Beschreibung des einzelnen Stellplatzes durch eine Flächenbeschreibung (Polygon) [ungenaue Beispielkoordinaten]

Das Polygon sollte gegen den Uhrzeigersinn gebildet werden und geschlossen sein (gleiche Anfangs- und Endkoordinaten)

```
978         "fuelType": [  
979             { "value": "battery" }  
980         ],  
981         "vehicleType": [  
982             { "value": "car" }  
983         ],  
984         "heightCharacteristic": [  
985             {  
986                 "comparisonOperator": { "value": "lessThan" },  
987                 "vehicleHeight": 3  
988             }  
989         ]  
990     }  
991 ],  
992     "dimension": {  
993         "length": 6,  
994         "width": 3  
995     },  
996     "numberOfSpaces": 1  
997 },  
998 {  
999     "idG": "BC44BBE7-DFD5-4822-BF51-30D213A4CF9F",  
1000     "versionG": "1",  
1001     "numberOfSpaces": 0,  
1002     "userSpecific": [  
1003         { "value": "personsWithDisabilities" }  
1004     ]  
1005 }
```

Stellplatz Nur für Batterie-Fahrzeuge, "Cars", nicht höher als 3m

Genaue Abmessungen des Stellplatzes

Kein Extra-Platz für Nutzer mit Beeinträchtigung

```
1006    ] ,  
1007    "totalMaximumPower": 200000 ,  
1008    "authenticationAndIdentificationMethods": [  
1009        { "value": "apps" }  
1010    ] ,  
1011    "numberOfRefillPoints": 2 , ← Die Ladestation hat 2 Ladepunkte  
1012    "userInterfaceLanguage": [ "de" ] ,  
1013    "mobilityServiceProvider": [  
1014        {  
1015            "afacAnOrganisation": {  
1016                "name": {  
1017                    "values": [  
1018                        {  
1019                            "lang": "de" ,  
1020                            "value": "Stromanbieter ABC3"  
1021                        }  
1022                    ]  
1023                }  
1024            }  
1025        }  
1026    ] ,  
1027    "roamingPlatform": [  
1028        {  
1029            "afacAnOrganisation": {  
1030                "name": {  
1031                    "values": [  
1032                        {  
1033                            "lang": "de" ,  
1034                        }  
1035                    ]  
1036                }  
1037            }  
1038        }  
1039    ] ,  
1040    "energyStorage": [  
1041        {  
1042            "afacAnOrganisation": {  
1043                "name": {  
1044                    "values": [  
1045                        {  
1046                            "lang": "de" ,  
1047                            "value": "Energie Speicher ABC3"  
1048                        }  
1049                    ]  
1050                }  
1051            }  
1052        }  
1053    ] ,  
1054    "energyConsumer": [  
1055        {  
1056            "afacAnOrganisation": {  
1057                "name": {  
1058                    "values": [  
1059                        {  
1060                            "lang": "de" ,  
1061                            "value": "Energie Verbraucher ABC3"  
1062                        }  
1063                    ]  
1064                }  
1065            }  
1066        }  
1067    ] ,  
1068    "energySupplier": [  
1069        {  
1070            "afacAnOrganisation": {  
1071                "name": {  
1072                    "values": [  
1073                        {  
1074                            "lang": "de" ,  
1075                            "value": "Energie Anbieter ABC3"  
1076                        }  
1077                    ]  
1078                }  
1079            }  
1080        }  
1081    ] ,  
1082    "energyTransporter": [  
1083        {  
1084            "afacAnOrganisation": {  
1085                "name": {  
1086                    "values": [  
1087                        {  
1088                            "lang": "de" ,  
1089                            "value": "Energie Transporter ABC3"  
1090                        }  
1091                    ]  
1092                }  
1093            }  
1094        }  
1095    ] ,  
1096    "energyStorageType": [  
1097        {  
1098            "value": "Batterie"  
1099        }  
1100    ] ,  
1101    "energyConsumerType": [  
1102        {  
1103            "value": "Fahrzeug"  
1104        }  
1105    ] ,  
1106    "energySupplierType": [  
1107        {  
1108            "value": "Netz"  
1109        }  
1110    ] ,  
1111    "energyTransporterType": [  
1112        {  
1113            "value": "Ladestation"  
1114        }  
1115    ] ,  
1116    "energyStorageSize": [  
1117        {  
1118            "value": 100000  
1119        }  
1120    ] ,  
1121    "energyConsumerSize": [  
1122        {  
1123            "value": 100000  
1124        }  
1125    ] ,  
1126    "energySupplierSize": [  
1127        {  
1128            "value": 100000  
1129        }  
1130    ] ,  
1131    "energyTransporterSize": [  
1132        {  
1133            "value": 100000  
1134        }  
1135    ] ,  
1136    "energyStorageEfficiency": [  
1137        {  
1138            "value": 0.9  
1139        }  
1140    ] ,  
1141    "energyConsumerEfficiency": [  
1142        {  
1143            "value": 0.9  
1144        }  
1145    ] ,  
1146    "energySupplierEfficiency": [  
1147        {  
1148            "value": 0.9  
1149        }  
1150    ] ,  
1151    "energyTransporterEfficiency": [  
1152        {  
1153            "value": 0.9  
1154        }  
1155    ] ,  
1156    "energyStorageCost": [  
1157        {  
1158            "value": 0.05  
1159        }  
1160    ] ,  
1161    "energyConsumerCost": [  
1162        {  
1163            "value": 0.05  
1164        }  
1165    ] ,  
1166    "energySupplierCost": [  
1167        {  
1168            "value": 0.05  
1169        }  
1170    ] ,  
1171    "energyTransporterCost": [  
1172        {  
1173            "value": 0.05  
1174        }  
1175    ] ,  
1176    "energyStorageLifetime": [  
1177        {  
1178            "value": 100000  
1179        }  
1180    ] ,  
1181    "energyConsumerLifetime": [  
1182        {  
1183            "value": 100000  
1184        }  
1185    ] ,  
1186    "energySupplierLifetime": [  
1187        {  
1188            "value": 100000  
1189        }  
1190    ] ,  
1191    "energyTransporterLifetime": [  
1192        {  
1193            "value": 100000  
1194        }  
1195    ] ,  
1196    "energyStorageCapacity": [  
1197        {  
1198            "value": 100000  
1199        }  
1200    ] ,  
1201    "energyConsumerCapacity": [  
1202        {  
1203            "value": 100000  
1204        }  
1205    ] ,  
1206    "energySupplierCapacity": [  
1207        {  
1208            "value": 100000  
1209        }  
1210    ] ,  
1211    "energyTransporterCapacity": [  
1212        {  
1213            "value": 100000  
1214        }  
1215    ] ,  
1216    "energyStorageType": [  
1217        {  
1218            "value": "Batterie"  
1219        }  
1220    ] ,  
1221    "energyConsumerType": [  
1222        {  
1223            "value": "Fahrzeug"  
1224        }  
1225    ] ,  
1226    "energySupplierType": [  
1227        {  
1228            "value": "Netz"  
1229        }  
1230    ] ,  
1231    "energyTransporterType": [  
1232        {  
1233            "value": "Ladestation"  
1234        }  
1235    ] ,  
1236    "energyStorageSize": [  
1237        {  
1238            "value": 100000  
1239        }  
1240    ] ,  
1241    "energyConsumerSize": [  
1242        {  
1243            "value": 100000  
1244        }  
1245    ] ,  
1246    "energySupplierSize": [  
1247        {  
1248            "value": 100000  
1249        }  
1250    ] ,  
1251    "energyTransporterSize": [  
1252        {  
1253            "value": 100000  
1254        }  
1255    ] ,  
1256    "energyStorageEfficiency": [  
1257        {  
1258            "value": 0.9  
1259        }  
1260    ] ,  
1261    "energyConsumerEfficiency": [  
1262        {  
1263            "value": 0.9  
1264        }  
1265    ] ,  
1266    "energySupplierEfficiency": [  
1267        {  
1268            "value": 0.9  
1269        }  
1270    ] ,  
1271    "energyTransporterEfficiency": [  
1272        {  
1273            "value": 0.9  
1274        }  
1275    ] ,  
1276    "energyStorageCost": [  
1277        {  
1278            "value": 0.05  
1279        }  
1280    ] ,  
1281    "energyConsumerCost": [  
1282        {  
1283            "value": 0.05  
1284        }  
1285    ] ,  
1286    "energySupplierCost": [  
1287        {  
1288            "value": 0.05  
1289        }  
1290    ] ,  
1291    "energyTransporterCost": [  
1292        {  
1293            "value": 0.05  
1294        }  
1295    ] ,  
1296    "energyStorageLifetime": [  
1297        {  
1298            "value": 100000  
1299        }  
1300    ] ,  
1301    "energyConsumerLifetime": [  
1302        {  
1303            "value": 100000  
1304        }  
1305    ] ,  
1306    "energySupplierLifetime": [  
1307        {  
1308            "value": 100000  
1309        }  
1310    ] ,  
1311    "energyTransporterLifetime": [  
1312        {  
1313            "value": 100000  
1314        }  
1315    ] ,  
1316    "energyStorageCapacity": [  
1317        {  
1318            "value": 100000  
1319        }  
1320    ] ,  
1321    "energyConsumerCapacity": [  
1322        {  
1323            "value": 100000  
1324        }  
1325    ] ,  
1326    "energySupplierCapacity": [  
1327        {  
1328            "value": 100000  
1329        }  
1330    ] ,  
1331    "energyTransporterCapacity": [  
1332        {  
1333            "value": 100000  
1334        }  
1335    ] ,  
1336    "energyStorageType": [  
1337        {  
1338            "value": "Batterie"  
1339        }  
1340    ] ,  
1341    "energyConsumerType": [  
1342        {  
1343            "value": "Fahrzeug"  
1344        }  
1345    ] ,  
1346    "energySupplierType": [  
1347        {  
1348            "value": "Netz"  
1349        }  
1350    ] ,  
1351    "energyTransporterType": [  
1352        {  
1353            "value": "Ladestation"  
1354        }  
1355    ] ,  
1356    "energyStorageSize": [  
1357        {  
1358            "value": 100000  
1359        }  
1360    ] ,  
1361    "energyConsumerSize": [  
1362        {  
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1. Ladepunkt



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2 verschiedene Stecker verfügbar
(Einzeldefinition weiter unten)

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1093             { "value": "plugAndCharge" } ← Angabe plugAndCharge  
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Technik verfügbar  
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1136                 Eine (nicht näher spezifizierte)  
1137                 Energieform/Stromart, die per adHoc-  
1138                 Preis angeboten wird.  
1139                 Electric Energy kann sowohl an einem  
1140                 ElectricChargingPoint definiert werden  
1141                 (wie hier) oder direkt an der E.I.Station  
1142             }  
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1144             "renewableEnergyEvidence": "https://",  
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1151                     "interval": "1h",  
1152                     "order": 1  
1153                 }  
1154             ]  
1155         }  
1156     ]  
1157 }
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Eine (nicht näher spezifizierte) Energieform/Stromart, die per adHoc-Preis angeboten wird.
Electric Energy kann sowohl an einem ElectricChargingPoint definiert werden (wie hier) oder direkt an der E.I. Station

Hinweise siehe weiter oben
Zeile 744/745

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1833   {  
1834     "idG": "7DE39FF9-8F26-48FE-9981-07131534ACC2",  
1835     "ratePolicy": { "value": "standard" },  
1836     "lastUpdated": "2025-01-10T11:13:51+01:00",  
1837     "applicableCurrency": [ "EUR" ],  
1838     "rateName": {  
1839       "values": [  
1840         {  
1841           "lang": "de",  
1842           "value": "Standardtarif 46AB"  

```

```
1202             "energyPrice": [
1203                 {
1204                     "priceType": { "value": "pricePerKWh" },
1205                     "value": 0.3,
1206                     "overallPeriod": {
1207                         "overallStartTime": "2025-01-01T00:00:00+01:00",
1208                         "overallEndTime": "2025-12-31T23:59:59+01:00",
1209                         "validPeriod": [
1210                             {
1211                                 "recurringTimePeriodOfDay": [
1212                                     {
1213                                         Nachtpreis
1214                                         →
1215                                         "startTimeOfPeriod": "21:00:00+01:00",
1216                                         "endTimeOfPeriod": "06:00:00+01:00"
1217                                     }
1218                                 ]
1219                             }
1220                         ],
1221                     },
1222                     {
1223                         "priceType": { "value": "pricePerKWh" },
1224                         "value": 0.27,
1225                         "overallPeriod": {
1226                             "overallStartTime": "2025-01-01T00:00:00+01:00",
1227                             "overallEndTime": "2025-12-31T23:59:59+01:00",
1228                             "validPeriod": [
1229                                 {
1230                                     "recurringTimePeriodOfDay": [
```

```
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1234
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    "startTImeOfPeriod": "21:00:00+01:00",
    "endTImeOfPeriod": "06:00:00+01:00"
}
]
}
}
]
}
}
]
}
,
{
    "idG": "7F302DA6-CAA1-465E-A826-AE61C7CCACAF",
    "ratePolicy": { "value": "adHoc" },
    "lastUpdated": "2025-06-01T11:30:51+02:00",
    "applicableCurrency": [ "EUR" ],
    "rateName": {
        "values": [
            {
                "lang": "de",
                "value": "Komplexes Tarif-Beispiel"
            }
        ]
    },
    "energyPrice": [
        {
            "priceType": { "value": "pricePerKWh" },
            "value": 0.5
        }
    ]
},
```

Beispiel für einen komplexen Tarif:
Berechnung von 0,50 EUR pro kWh und im Zeitraum 8-20 Uhr zusätzlich 0.10 EUR pro Minute, falls länger als 240 Minuten geladen wurde, jedoch begrenzt auf 12€.
Alle Instanzen von energyPrice zu einer energyRate sind parallel zu berücksichtigen (im Rahmen ihrer Einschränkungen), also UND-verknüpft.

Beispiel für einen komplexen Tarif:

Berechnung von 0,50 EUR pro kWh und im Zeitraum 8-20 Uhr zusätzlich 0,10 EUR pro Minute, falls länger als 240 Minuten geladen wurde, jedoch begrenzt auf 12€.

Alle Instanzen von `energyPrice` zu einer `energyRate` sind parallel zu berücksichtigen (im Rahmen ihrer Einschränkungen), also **UND** verknüpft.

```
1258 } ,  
1259 {  
1260     "priceType": {"value": "pricePerMinute"},  
1261     "value": 0.10,  
1262     "priceCap": 12,  
1263     "timeBasedApplicability": {"fromMinute": 240},  
1264     "overallPeriod": {  
1265         "overallStartTime": "2025-01-01T00:00:00+01:00",  
1266         "exceptionPeriod": [  
1267             {  
1268                 "recurringTimePeriodOfDay": [  
1269                     {  
1270                         "startTimeOfPeriod": "20:00:00+01:00",  
1271                         "endTimeOfPeriod": "08:00:00+01:00"  
1272                     }  
1273                 ]  
1274             }  
1275         ]  
1276     }  
1277 }  
1278 ]  
1279 }  
1280 ]  
1281 }  
1282 ]  
1283 }  
1284 } ,  
1285 {
```

```

1286 2. Ladepunkt → "aegiElectricChargingPoint": {
1287   "idG": "D8CF0A86-037F-449C-8BE2-5820EECC9036",
1288   "versionG": "1",
1289   "deliveryUnit": { "value": "kWh" },
1290   "currentType": { "value": "dc" },
1291   "usageType": [
1292     { "value": "electricVehicle" }
1293   ],
1294   "vehicleToGridCommunicationType": [
1295     { "value": "iec619802" }
1296   ],
1297   "numberOfConnectors": 1,
1298   "availableVoltage": [ 400 ],
1299   "availableChargingPower": [ 40000 ],
1300   "chargingMode": { "value": "mode4DC" },
1301   "smartRechargingServices": [
1302     { "value": "remoteMonitoring" },
1303     { "value": "plugAndCharge" }
1304   ],
1305   "connector": [
1306     {
1307       "connectorType": { "value": "other" },
1308       "otherConnector": "Some other connector type",
1309       "maxPowerAtSocket": 40000
1310     }
1311   ]
1312 }
1313 }
```

Angabe plugAndCharge
verpflichtend, falls diese
Technik verfügbar

```
1314     ] ,  
1315     "electricEnergy": [  
1316         {  
1317             "energyRateByReference": [  
1318                 {  
1319                     "targetClass": "aegiEnergyRate" ,  
1320                     "idG": "9C07640B-7ECE-46EC-A23F-417E99C53F33"  
1321                 }  
1322             ]  
1323         }  
1324     ]  
1325     }  
1326     ]  
1327     }  
1328     ]  
1329     }  
1330     ]  
1331     }  
1332     }  
1333 }
```

Definition auf Station-Ebene: Die gesamte 2. Ladestation nutzt den gleichen Tarif "GrünTarif 1AB" wie zuvor schon definiert bei einem Ladepunkt der ersten Ladestation.

Achtung: Jegliches Preisupdate im dynamischen Modellteil wirkt sich auf sämtliche Referenzierungen aus!