



**Network Provisioning Tool and Network Management Platform  
for broadband operators**



**Provision your Network - Stop Cable ingress - Automate Invoicing and Direct Debit - Reduce Chaos**

**Your Features and Benefits at a glance:**

# 1. Cable/DO1. Cable/DOCSIS, FTTH, DSL and Directional Radio Provisioning

Next Generation NMS  
Version GIT: dev - 4aee4e9

Dashboard

Navigation

Global

Billing Base

HFC

SNMP Module

**Provisioning**

Contracts

Domains

**Modems**

Endpoints

Configfiles

QoS

Modems

Show 10 entries

	Modem Number	MAC Adresse	Configfile	Name
<input type="checkbox"/>	100001	58:23:8e:cc:fc:a3	THG571	Thomson THG571
<input type="checkbox"/>	100022	c4:27:95:af:ab:ef	TC7200.20 STDD.01.05	TC 7200.20 Test
<input type="checkbox"/>	100023	00:24:d1:ad:06:39	Base	THG541 Test (with MTA)
<input type="checkbox"/>	100024	c8:0e:14:8a:f8:71	FritzBox 6490	
<input type="checkbox"/>	100026	00:26:24:88:c2:e9	Base	
<input type="checkbox"/>	100027	00:24:d1:4b:7a:52	Base	

Provisioning

Create Contracts and Cable Modems

NMS PRIME

Modem

10002 Gornau Erznet - Gornau

100022 - c4:27:95:af:ab:ef - TC 7200.20 Test

Analyses

Next Generation NMS

Version GIT.dev - 178ba39

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QoS

CMTS

IP-Pools

VOIP

ProvVolpEnvia

VolpMon

Networks

Marlenberg

Gornau

Real Time Values

System

SysDescr

Technicolor Cable Voice and Wireless Gateway <<HW\_REV: 1.0; VENDOR: Technicolor; BOOTR: 2.4.0; SW\_REV: STDD.01.05; MODEL: TC7200.20>>

Firmware

STDD.01.05

Uptime

56 Days 0 Hours 11 Min 35 Sec

DOCSIS

DOCSIS 3.0

CMTS

gor-cable-10

Downstream

#	Frequency MHz	Modulation	Power dBmV	MER dB	Microreflection -dBc
1	394	QAM64	11.7	48.5	42
2	354	QAM64	13.5	49.9	45
3	362	QAM64	13.4	49.9	45
4	370	QAM64	13	49.8	43
5	378	QAM64	12.6	48.5	42
6	386	QAM64	11.5	47.5	42
7	402	QAM64	11.6	48.5	46
8	410	QAM64	11.8	49.8	44

Upstream

Modem is Online

PING 10.0.8.2 (10.0.8.2) 56(84) bytes of data.

64 bytes from 10.0.8.2: icmp\_seq=1 ttl=63 time=7.43 ms

64 bytes from 10.0.8.2: icmp\_seq=2 ttl=63 time=14.9 ms

64 bytes from 10.0.8.2: icmp\_seq=3 ttl=63 time=10.7 ms

64 bytes from 10.0.8.2: icmp\_seq=4 ttl=63 time=13.9 ms

64 bytes from 10.0.8.2: icmp\_seq=5 ttl=63 time=7.58 ms

--- 10.0.8.2 ping statistics ---

5 packets transmitted, 5 received, 0% packet loss, time 4003ms

rtt min/avg/max/mdev = 7.432/10.927/14.994/3.126 ms

has a valid lease.

lease 10.0.8.2 {

starts 3 2017/11/01 08:01:09;

ends 4 2017/11/02 08:01:09;

tstp 4 2017/11/02 08:01:09;

cltt 3 2017/11/01 08:01:09;

binding state active;

next binding state free;

rewind binding state free;

hardware ethernet c4:27:95:af:ab:ef;

uid "1377:225:257:253:357:000:003:000/001:304:225:257:253:357";

set ddns-fwd-name = "cm-100022.nms10.erznet.tv.;"

set ddns-txt = "3161f76ac0d753dd6cea13c96aa7a42222";

option agent.circuit-id 80:1:3:e9;

option agent.remote-id c4:27:95:af:ab:ef;

option agent.unknown-9 0:0:11:8b:6:1:4:1:2:3:0;

}

Proximity Search

# Device Analysis

Analyse your Cable Modems and HFC network

Next Generation NMS  
Version GIT: dev - f33124e

Dashboard

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- Global
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- HFC
- SNMP Module
- Provisioning
- VOIP**
- MTAs
- Telefonnummern
- Telefontarife

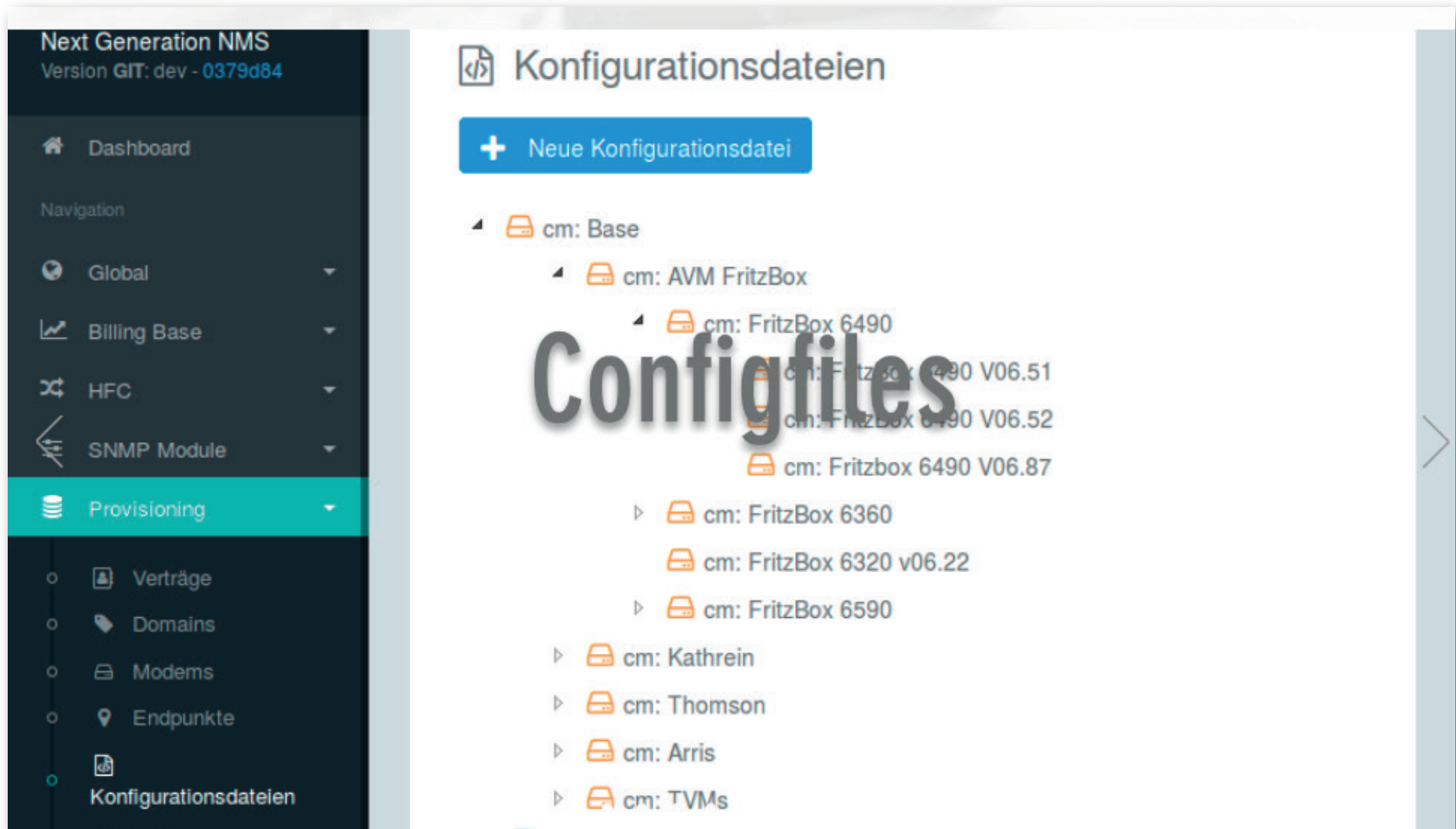
## Telefonnummern

10 Einträge anzeigen Drucken Exportieren als Spaltensichtbarkeit

	Nummer	Aktivierungsdatum
<input type="checkbox"/>	03735/7696020	2016-02-02
<input type="checkbox"/>	03735/7696021	1900-01-01
<input type="checkbox"/>	3476/8459944	n/a
<input type="checkbox"/>	3476/8459945	n/a
<input type="checkbox"/>	0371/27096052	n/a
<input type="checkbox"/>	0371/27096002	-

**VoIP Provisioning:** Create MTAs and Phonenumbers





Create **Configfiles**, **CMTS's**, **BRAS's**, **IP-pools** and **QoS-profiles**  
Learn more under: Provisioning

## 2. IT Maintenance: Stop Cable Ingress

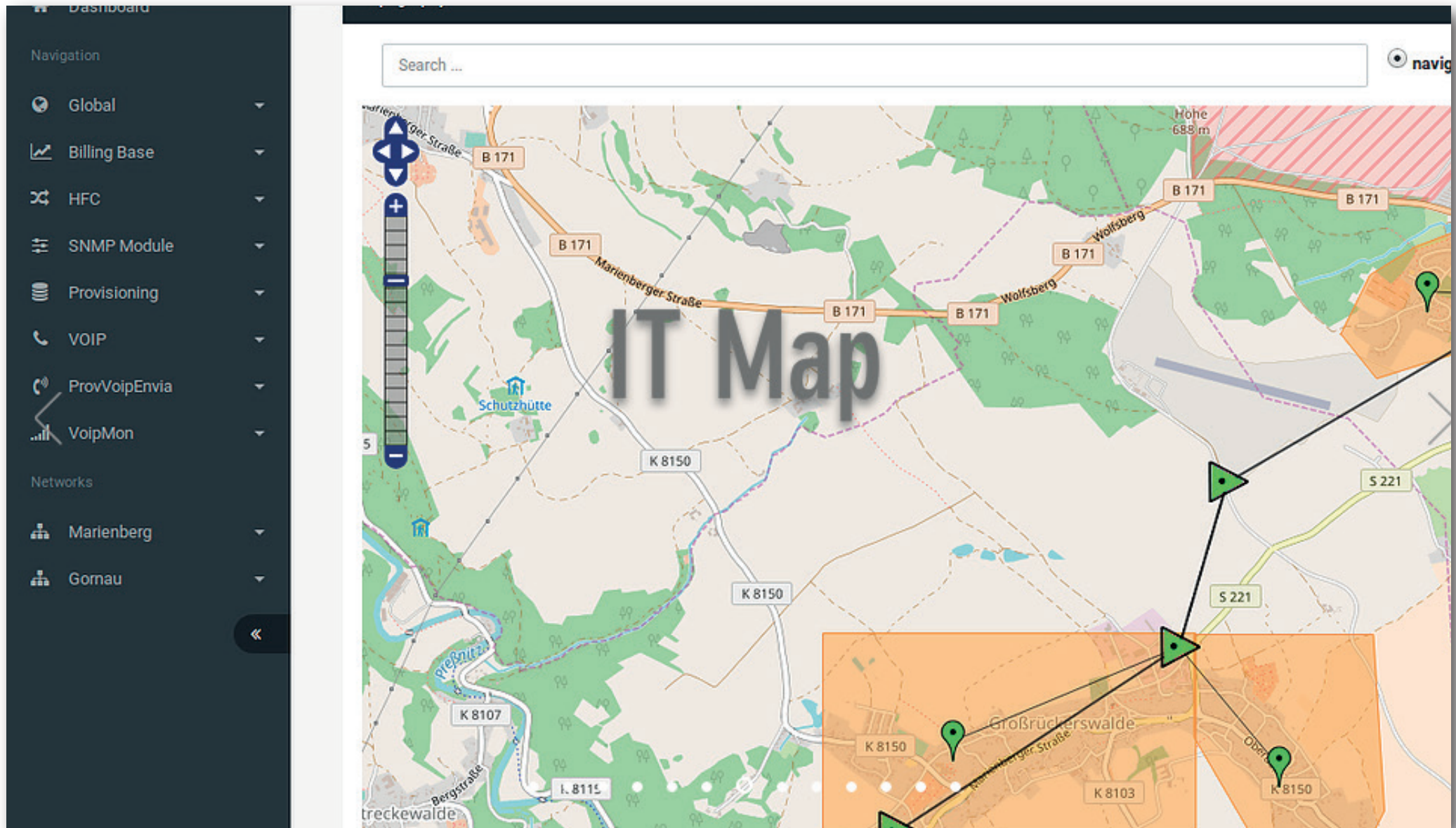
VoIP				
Envia				
Ticket				
Networks				
<b>Marienberg</b>				
Marienberg				
Dampf				
Edeka				
Gebirge				
Großrückerswalde				
Huettengrund				

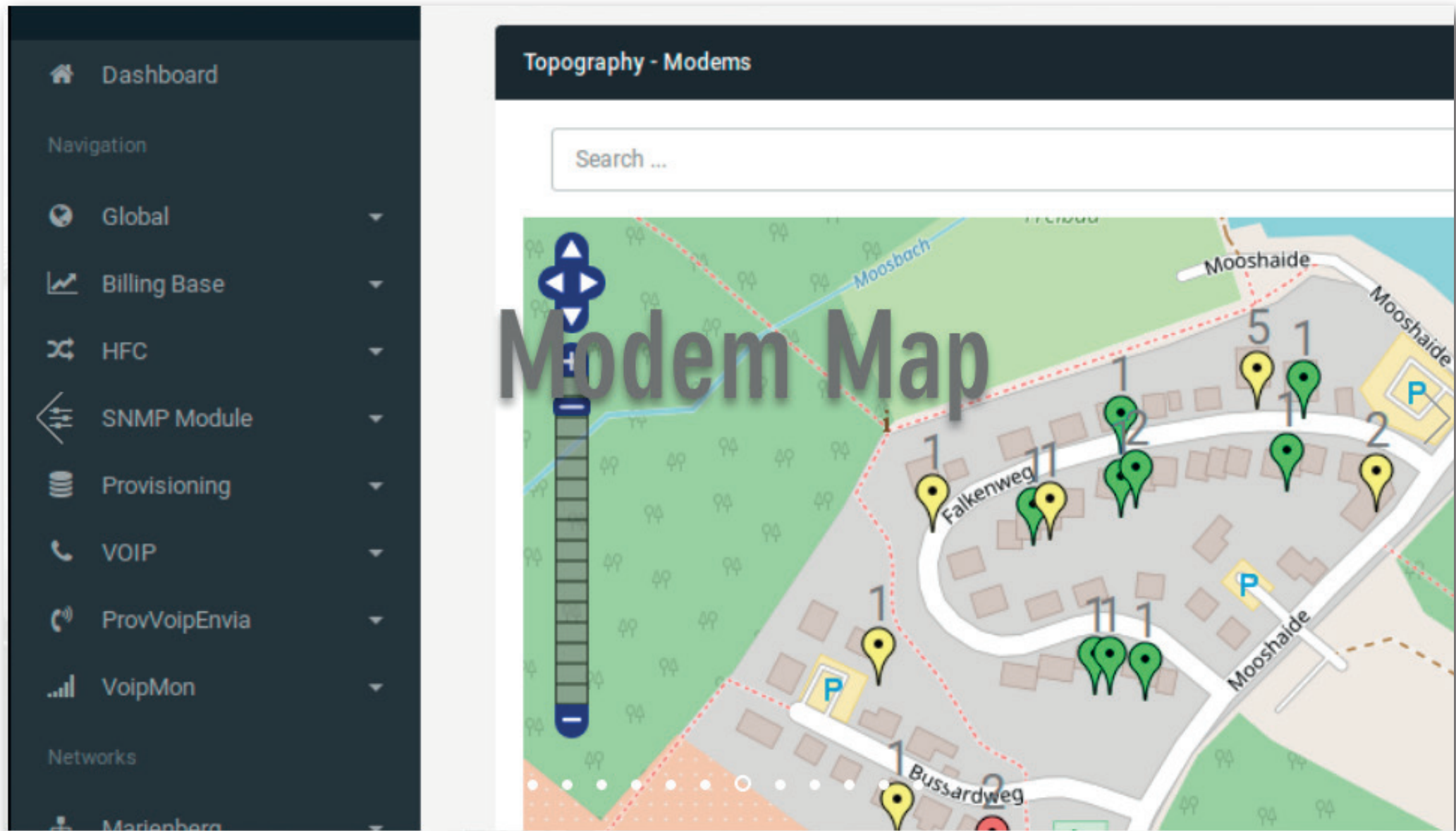
Index ↑↓	ifName ↑↓	US SNR ↑↓	Input Power Level dBmV ↑↓	US Ch Freq MHz ↑↓
8401	Ca6/0/0-upstream0	29.1	0	33.008
8402	Ca6/0/0-upstream1	29	0	37.008
8403	Ca6/0/0-upstream2	27.8	0	43
8404	Ca6/0/0-upstream3	29.3	0	47

1 bis 4 von 4 Einträgen

Stop Cable Ingress with **Automatic Ingress Detection**

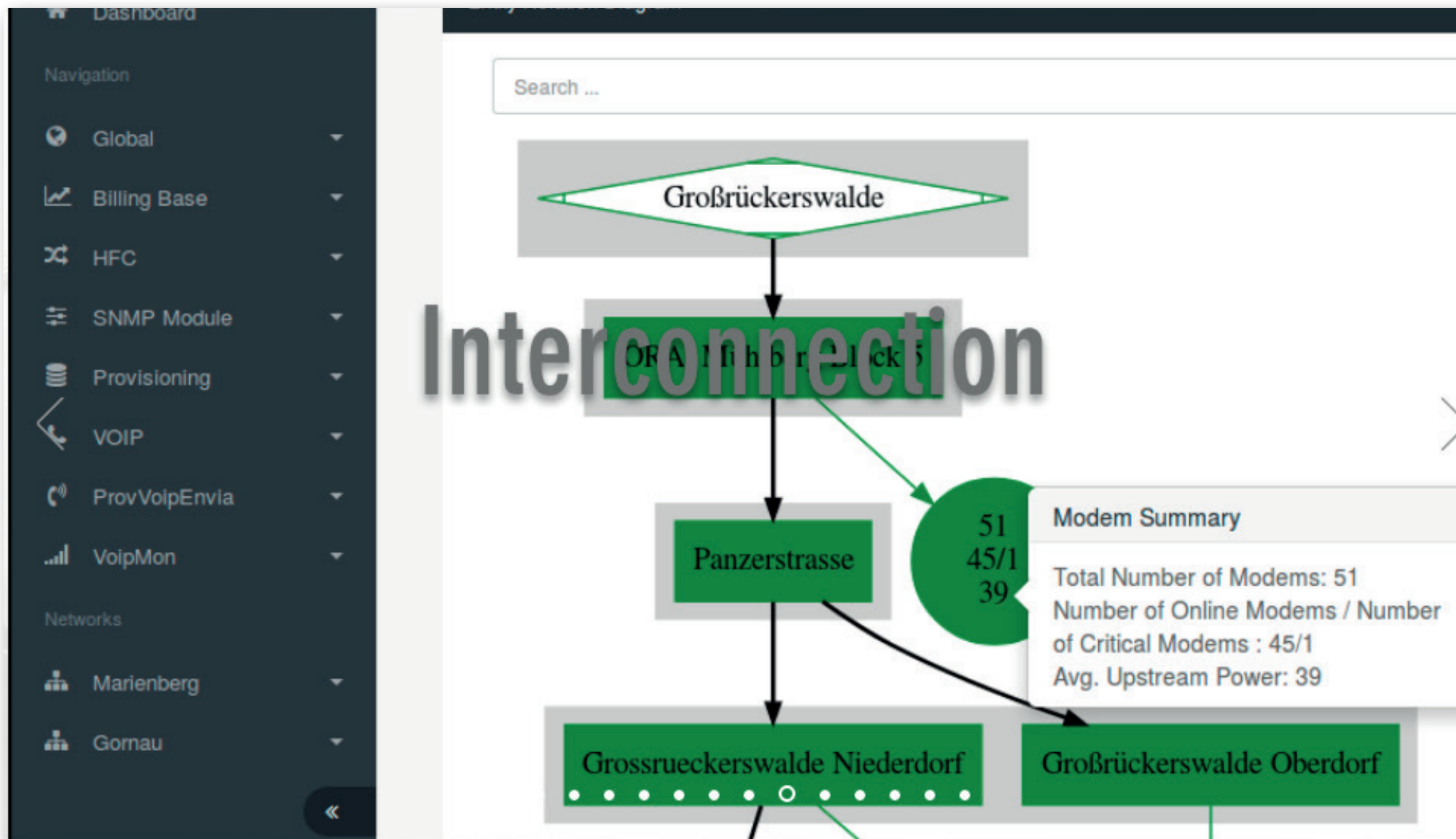


Display your IT infrastructure in **real-time maps**



Check your **Cable Modems** status in real-time maps






Never confused again: Visualize your HFC network interconnections

NMS PRIME

ORA - 9022 10 - ORA: Mühlberg Block 5 > controlling

Search x44  Torst

Edit Controlling

### SNMP Settings: ORA: Mühlberg Block 5

**Attenuation** 12

**Total Attenuation (Mess)** 10.9

**Input Attenuation (Mess)** 0

**Interstage Attenuation (Mess)** 62

**Equalizer** 6

**Equalizer (Mess)** 6

**Frontend** automatic

**ICS Main** 6dB

**ICS Redundant** 6dB

**ALC Mode** off

**Lower Pilot Frequency (MHz)** 147.25

**Lower Pilot Modulation** pal

**Lower Pilot Level** 99

**Lower Pilot Deviation** 0

**Upper Pilot Frequency (Mhz)** 623.25

**Upper Pilot Modulation** pal

**Upper Pilot Level** 101

**Upper Pilot Deviation** 0

Control all SNMP based network devices, like amplifiers and nodes, with a generic SNMP MIB GUI Creator



Cacti System



Icinga2 System

Extern

**Auto configuration of Nagios and Cacti from one database**

Learn more under: IT Maintenance

### 3. Billing: Automated Invoicing and Direct Debit

NMS PRIME

Vertrag43716 Maria Wojcik

Search iconClose icon184Torsten Schmidt

Next Generation NMS  
Version GIT: dev - 0379d84

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Verträge

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Endpunkte

Konfigurationsdateien

QoS

CMTS

IP-Bereiche

VOIP

EditTechnicalBillingenvia TELCreate Connection InfosTicketLogging

Vertragsnummer43716?

Firma

Abteilung

AnredeFrau

Akademischer Titel

Vorname \*Max

Nachname \*Mustermann

Street \* and House NumberAm Hang99

Postleitzahl \*09496

Stadt \*Marienberg

Ortstell

Telefon \*0815

Fax

Zugewiesene Posten

+Trash

Internet Flat 25 Mbit/s -  
pr. - 2017-08-21 | 21.01€

Telefonie Festnetz Flat -  
2017-08-21 | 8.4€

Gutschrift (x) -  
2017-07-20 | 29.42€

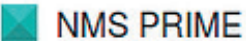
Zugewiesene SEPA-Mandate

+Trash

DE68870690750212073903

Create Tariffs, Products and SEPA accounts





Abrechnungslauf

2018 - 1 - 2018-02-05 09:21:53

185

Next Generation NMS

Version GIT: dev - 0379d84

Dashboard

Navigation

Global

Billing Base

Produktangebot

SEPA-Konten

Abrechnungslauf

Kostenstelle

Unternehmen

Verkäufer

Nummernkreis

HFC

SNMP Module

Provisioning

Files

Jahr

2018

Monat

1

Beschreibung

direct debit

Überprüft?

☒

?

Speichern

Zugewiesene Files

Erznet	Erznet_D
Buchungssatzdatei_mit_SEPA.txt	Buchungssatzdatei_mit_SEPA.txt
Buchungssatzdatei_ohne_SEPA.txt	Rechnungssatzdatei_ohne_SEPA.txt
Rechnungssatzdatei_Posten.txt	Rechnungssatzdatei_Posten.txt
Rechnungssatzdatei_Tarif.txt	SEPA_Lastschriften.xml
SEPA_Lastschriften.xml	

Allgemein

2018-01.zip

Einzelverbindungsachweis\_2017\_12.csv

Rechnungen.pdf

Perform automated direct debits for your bank (SEPA.xml)

## Rechnung

Kundennummer  
102

Rechnungsnummer  
2018/1

Datum  
31.10.2018

Menge	Bezeichnung	Einzelpreis	Summe
1	Telefonie Basic 01.10.2018 - 31.10.2018	4,20€	4,20€
1	postalische Rechnung 01.10.2018 - 31.10.2018	2,10€	2,10€
1	9 Telefonverbindungen	0,71€	0,71€
Gesamtsumme:			7,02€
19% MwSt:			1,33€
<b>Rechnungsbetrag:</b>			<b>8,35€</b>

Tariflaufzeit: 1 Monat  
 Nächstmögliches Laufzeitende: 30.11.2018  
 Kündigungsfrist: 14 Tage zum Monatsende  
 Spätester Kündigungszeitpunkt: 16.11.2018

Der Betrag wird von folgendem Konto abgebucht:

IBAN: DE27870540

Mandatsreferenz: 10200

Gläubiger-ID: DE957

**Generate out-of-the-box PDF invoices**  
 Learn more under: [Billing](#)

## 4. Ticket-System: Reduce chaos

**NMS PRIME** Tickets 185 Torsten Schmidt

Next Generation NMS  
Version GIT: dev - 0379d84

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- envia TEL API
- Ticketsystem**
- Tickets
- TicketTypes
- VoipMon

**Tickets**

10 Einträge anzeigen Drucken Exportieren als Spaltensichtbarkeit Suchen

ID	Titel	Typ	Priorität	Status	Erstellt von	Erstellt am	Bearbeiter
3	Telefon... Registrierung	Telefon... Registrierung	Trivial	New	Rene Klemm	2018-04-30 11:07:03	Detlef Granz, Ole Ernst
29	Telefonnummer -> Umzug	Adressänderung	Trivial	New	Michael Kreher	2018-04-27 18:18:58	Michael Kreher
28	Adressänderung	Adressänderung	Trivial	New	Michael Kreher	2018-04-27 17:57:51	Michael Kreher
27	Bitte Rechnung schreiben !	Bitte Rechnung schreiben !	Trivial	New	Frank Buschmann	2018-04-27 11:18:14	Maria Wojcik
26	Bankdaten fehlen!	Bankdaten fehlen!	Trivial	New	Frank Buschmann	2018-04-24 15:37:50	Frank Buschmann
25	Hardware muss noch berechnet werden!	Bitte Rechnung schreiben !	Trivial	New	Frank Buschmann	2018-04-18 15:01:28	Rene Klemm

Plan, assign and track the work of your team  
Learn more under: Ticket-System

A grayscale background image showing a close-up of a person's face, focusing on the eye and nose area.

# Try it free

*Start your instance now.  
Get your login credentials via E-Mail zip-file:*

Enter Your E-Mail	Go
Enter a password for the zip-file (max 12)	

*Your Domain: **yoursite**.vm.nmsprime.com*

*Host your own server*

## NMS Prime Cloud Solution

Be ready in <5min

Start your own NMS Prime Instance with

**NMS Prime Cloud Solution**

or Host your own Server



## Contact us



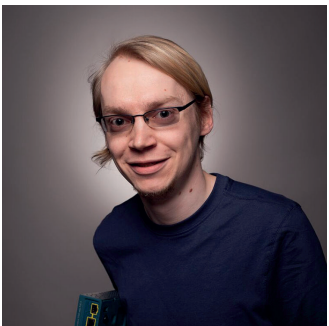
**Patrick Reichel**  
**SERVICE & DEVELOPMENT**

You have technical problems with NMS Prime? Contact our support.



**Martin Zimmerling**  
**ACCOUNT EXECUTIVE**

You have any questions regarding our Professional Service?



**Ole Ernst**  
**ENGINEERING | CODING**

You have any questions about research & development or coding?



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