



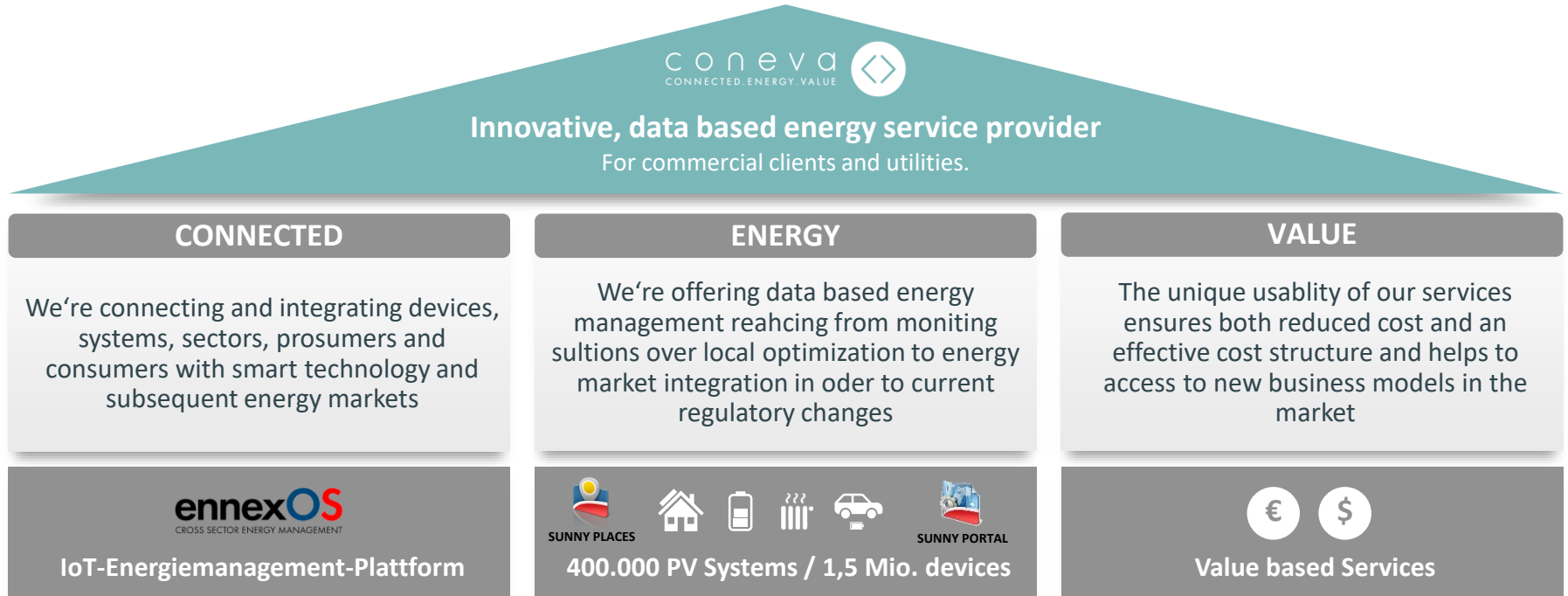
CONNECTED. ENERGY. VALUE

Der Marktplatz für
innovative Energiedienstleistungen

Intro coneva Prosumer focused Service Offerings for the energy sector

Munich/Lueneburg, März 2020

**coneva is a digital service provider and corporate startup of SMA –
having an IoT platform and growing PV Community in the back**



Where is coneva operating in the energy sector?

We're enable for a digital way „before and behind the meter“

CONEVA FOR THE ENERGY SECTOR

Our service Portfolio

Platform for
distributed models



Digitale customer
relationship

Local energy
management



Market understanding

Integration of digital energy services both before and behind the meter to define new and sustainable business models for the energy sector.



The coneva Energy Landscape – an easy to understand and customized visual for the energy transition

ENERGY TRANSITION AT A GLANCE



ENERGY TRANSPARENCY SET INTO SCENE

Based on geographical parameters (post code)

INSTALLED RENEWABLES AT A GLANCE

Integration of local installed renewable capacities in the region

DATA MODELL & BALANCE FROM CONEVA BACKEND

Visualizing and Evaluating of consumption and renewables production

UPDATE OF EVALUATION EVERY 15 MINUTES

Regular Update on energy situation from backend

INDIVIDUAL DESIGN OPTIONS

Standardized concept to display regional specialities

OPTIONS TO EXTEND FUNCTIONALITIES

Integration of prosumer and consumer portals, tariffs and communities

QUICK AND EASY WEB INTEGRATION

Embedding as HTML-Snippet within few weeks

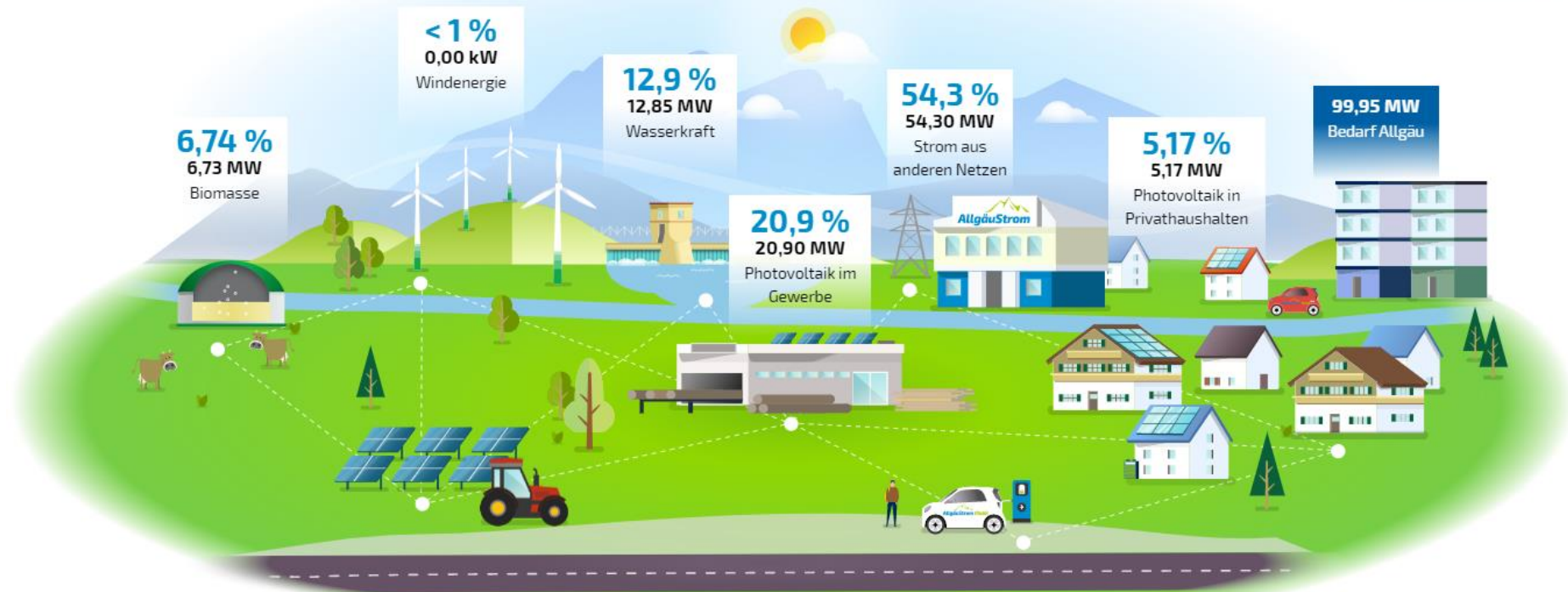


EXAMPLE

<https://www.auew.de/allgaeustrom/>



Historie



99,95 MW

Bedarf Allgäu

45,65 MW

Regionale Erzeugung

54,30 MW

Strom aus anderen Netzen

45,7 %

Autarkie deiner Region

AllgäuStrom
Die heimatstarke Energie

The Energy Buddy App is an out-of-the-box solution with various customizing options – partners can help to develop the roadmap

ENERGY BUDDY APP: THE ENERGY MANAGER FOR THE POCKET



BASE CASE

- Out-of-the Box Endkunden-App, nativ entwickelt für iOS und Android (aktuell > 800 Entwicklungstage)
- Etablierte Schnittstellen (API) zu SMA Sunny Portal und Powerfox Portal (weitere in Planung)
- Im EVM Design durch einfaches Branding (Farben, Logo)
- Integration EVM Newsfeed(s)

MÖGLICHE ERWEITERUNGEN

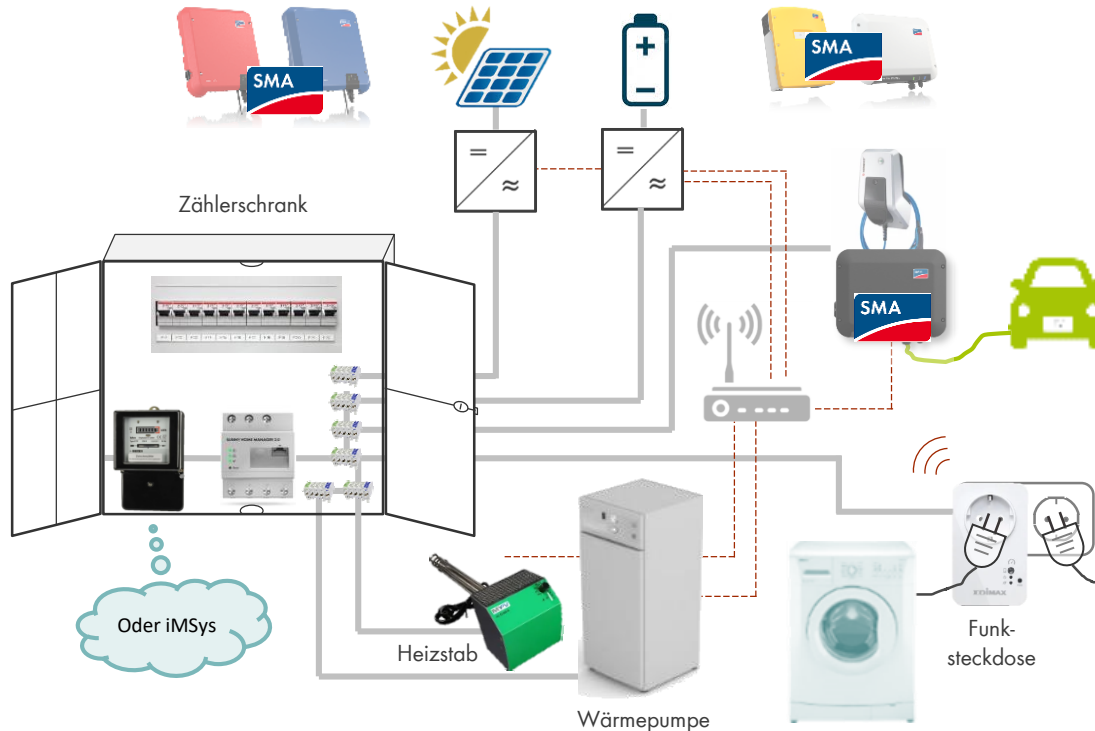
- Integration Smart Meter Gateway Daten (> Meine Energie)
- Übertragung Zählerstand-Scans an EVM sowie weitere Funktionen durch Anbindung ERP-System
- Abbildung EVM Tarifmodelle sowie ggf. Community-Modelle

ROADMAP

- CO2 Footprint Calculator + Klimaziele / Nachhaltigkeit
- Integration weitere Mehrwertdienste über Partner

Princip of the Sunny Home Manager 2.0 at customer site

THE GATEWAY IS INSTALLED BEHIND THE GRID CONNECTION POINT AND OPTIMIZES THE SELF-CONSUMPTION



SMART LOCAL ENERGY MANAGEMENT

- Aufbereitung und Darstellung aller Energieflüsse (Monitoring) der lokalen Anlage inkl. PV, Batteriespeicher, EV/Wallbox, ...
- Lokale Steuerung: Wirkleistungsbegrenzung der PV-Anlage + Intelligenter Einsatz des Batteriespeichers; weitere Einbindung steuerbarer Lasten und Verbraucher
- Einbindung von privater Ladeinfrastruktur; Kompatible EV/Wallboxen: Mennekes Amtron Premium, Amtron x-tra. Weitere in Entwicklung u.a. eigener SMA EV-Charger

CENTRAL CONTROL OF LOCAL INSTALLATIONS

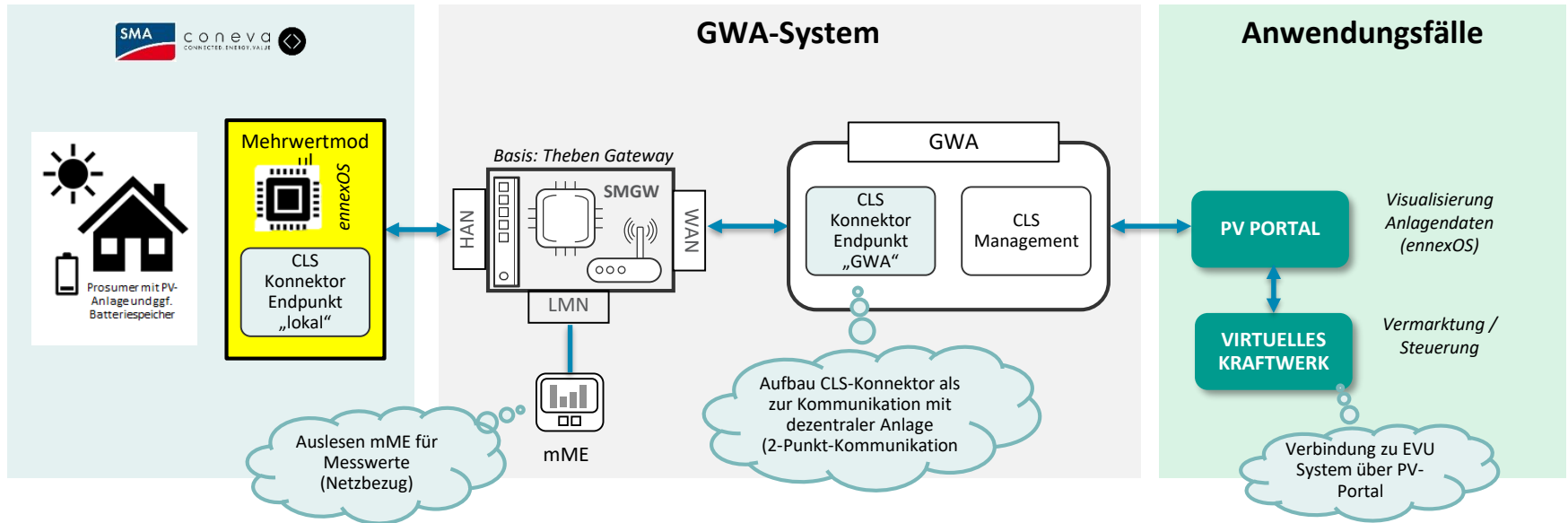
- Anbindung an virtuelles Kraftwerk, in Kombination mit **ennexOS** sowie **Smart Meter Gateway** Integration (CLS-Integration)
- Pilotiert mit SWM (2019), aktuell in Umsetzung mit Metering Süd sowie EWS (2020)

Local Energy Management combined with German Smart Meter Rollout

Build and Integration of an CLS-Connector over the TLS-Channel

DEFINITION TARGETED INFRASTRUCTURE

> Zielsetzung:





CONNECTED. ENERGY. VALUE

Der Marktplatz für
innovative Energiedienstleistungen

cone va
CONNECTED. ENERGY. VALUE



cone va GmbH
Paul-Heyse-Str. 2-4
80336 München
Deutschland

+49 89 628 196-0

info@cone va.com

www.cone va.com