

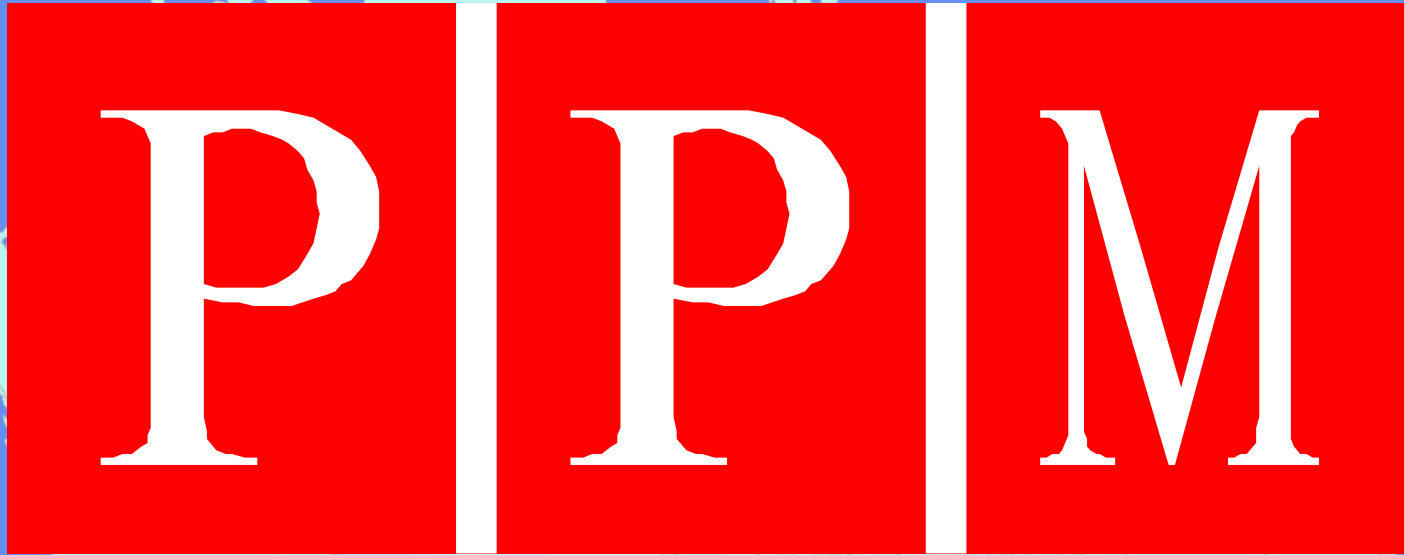
# PPM – Energie : ecological and economical Biogas-production

October 13th, 2020



Energie GERMANY GmbH

Dr. Christian Hemerka



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# PPM = Peter Paul Münzberg

- graduated in physics
- Mr. Münzberg has been devoting himself to the development of biodiesel- and biogas – production units since 1996
- main objective: improvement of

# quality & efficiency

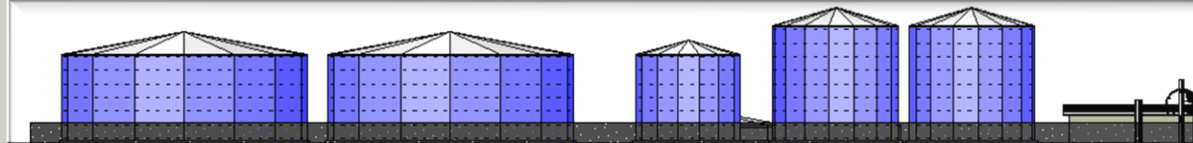
## **PPM business sectors:**

- Plant construction of biodiesel and biogas units
- Construction of co-generation units
- Operation of biodiesel units
- Energy management systems

# Advantages for PPM – Customers (1)

- Complete know – how & Service from PPM – Group :
  - Hardware & Construction & Delivery
  - Software – tailormade for each customer
  - Training of the plant - staff
  - Analysis in own laboratories

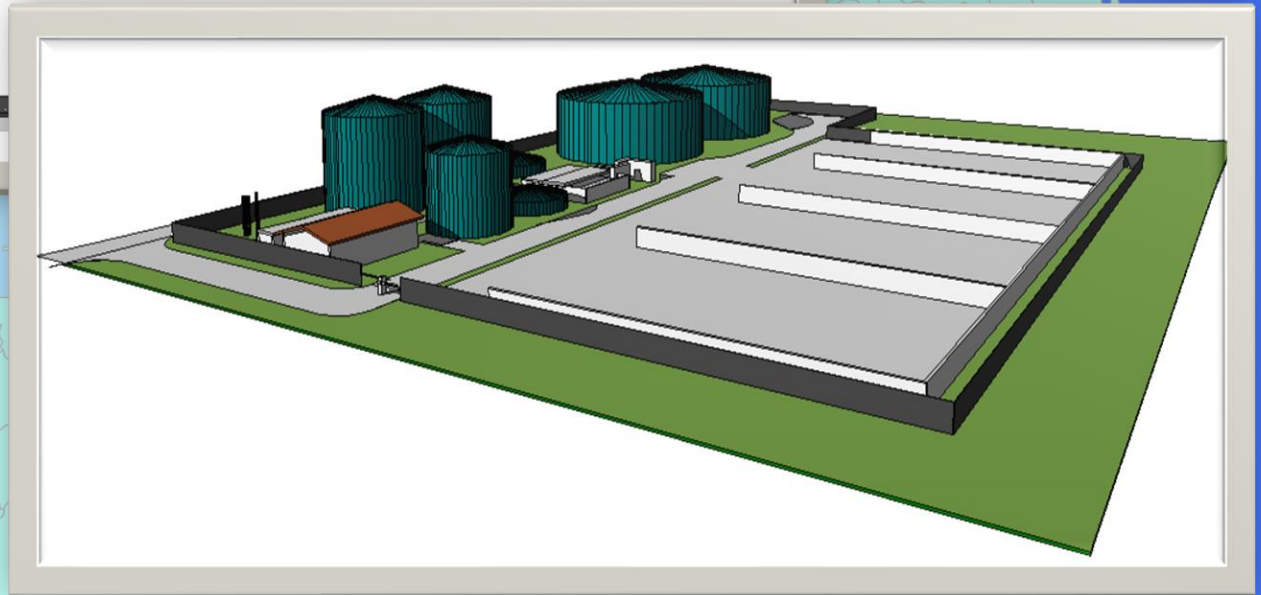
# Example : Design of a BGP



ANSICHT WESTEN



ANSICHT SUDEN

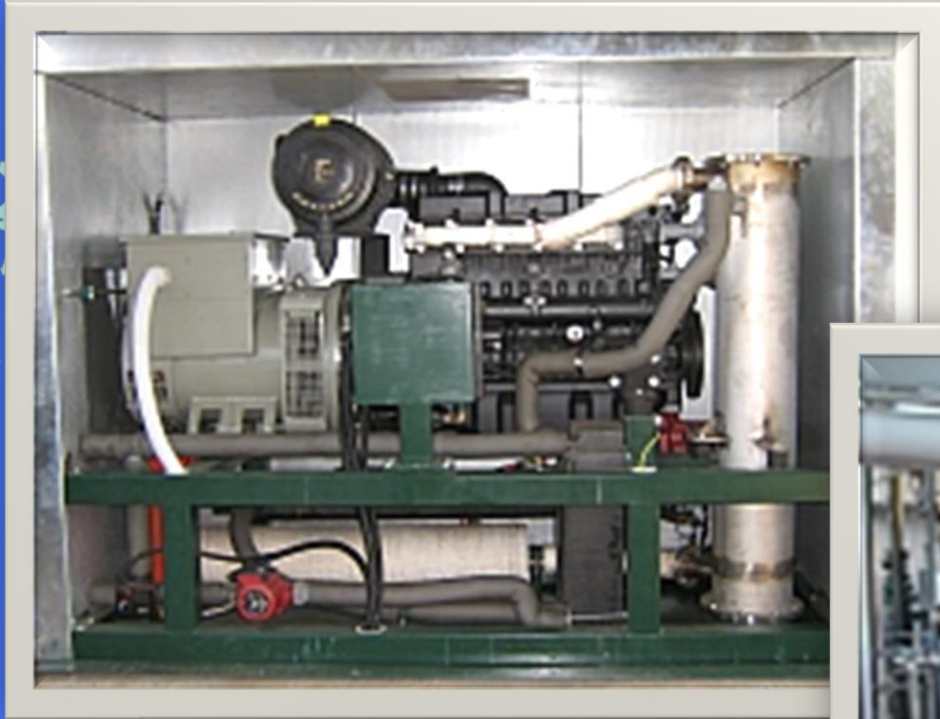


# Advantages for PPM – Customers (2)

- Plant controls fully automatized
- CHP – controls : especially developed for Biogas- plants by PPM.
- PPM is plant-operator as well.

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# CHP - Units



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# Biogas-Reference-plant Pastitz



- 100.000 mt Substrate
- 3,8 Mio m<sup>3</sup> Biogas
- 95.000 to Fertilizer
- Biocat. Desulfurization
- CPU - performance :
  - app. 1 MW el
  - app. 1,5 MW th

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# Biogas-Reference-plant Thessaloniki - Adendron



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## PPM – Group :

Looking for customers and partners for

1. Biogas-plants
2. CHP – units
3. Biodiesel-plants
4. Energy management systems

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**Thank you for your attention !!**



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A light blue world map is centered on the Atlantic Ocean, showing the outlines of all continents. The map is set against a solid dark blue background.

Dr. Christian Hemerka

# CONTACT

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