



With the impulse of nature.

For intelligent agriculture





“Our vision is that of a high-performing yet careful agriculture.
An agriculture that preserves resources and makes optimal use of
natural potential. An agriculture that thinks of future generations now.”



Company

penergetic[●]
the natural biotechnology



Family business with a long and solid history



Penergetic International AG is a Swiss family business.

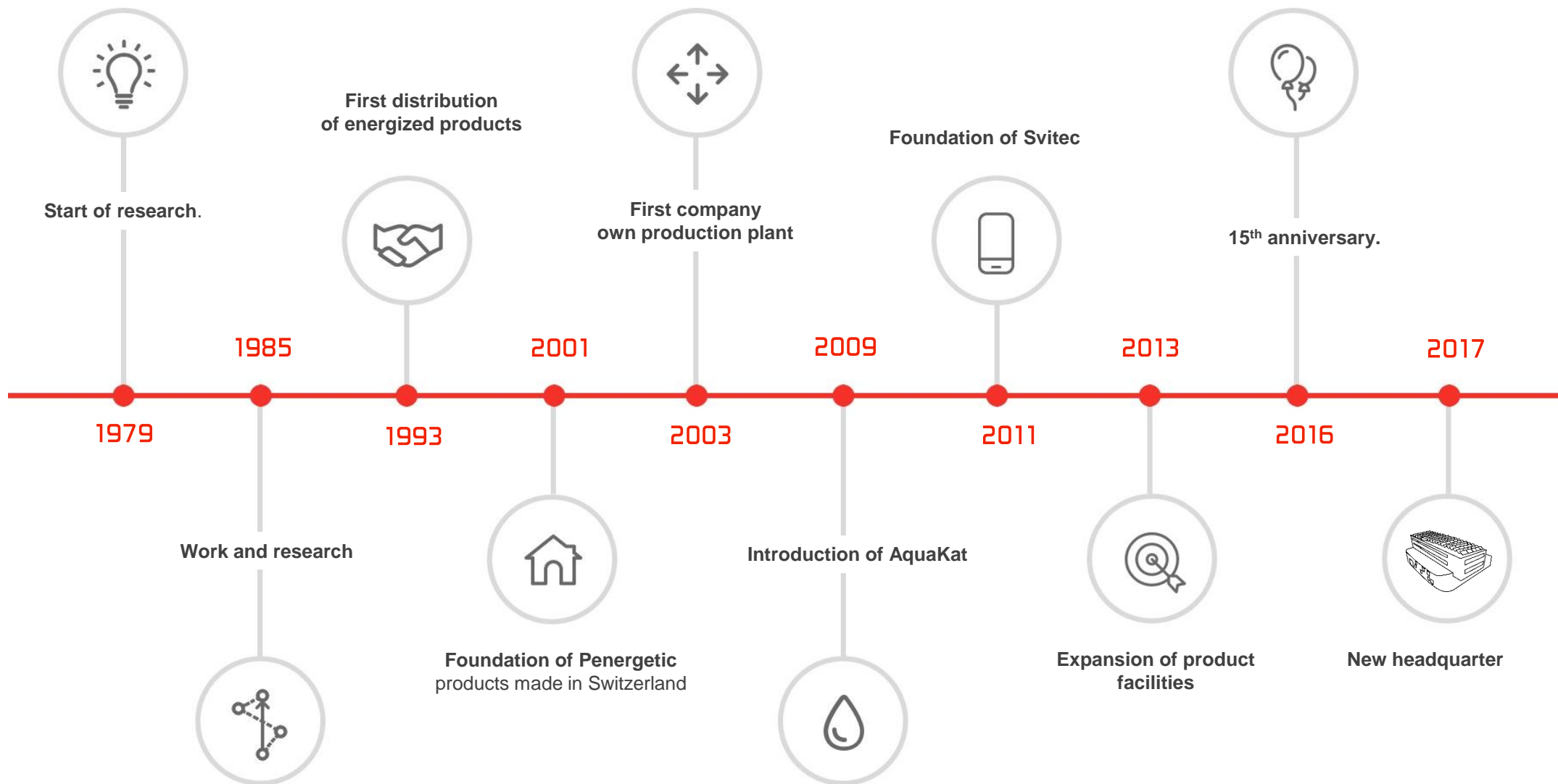
The founders Birgit and Robert Wilhelm started with the vision of a sustainable and profitable solution for agriculture in 1979.

Today the company is managed by the second generation: the two sons Ciril and Cedric Wilhelm.





History





The penergetic family



Our employees are our most precious resource.

Together we form the penergetic family and stand for our mission to provide our customers sustainable and profitable products of the highest quality for intelligent agriculture.



The world asks for sustainable solutions in all sectors

We offer our customers sustainable and long-term cost-efficient solutions for future-oriented agriculture.

It is vital to consider all interrelations of natural process chains in agriculture and the environment. Our products optimize and activate existing resources to ensure that the problem is tackled at its root, rather than just solving individual symptoms.

This not only improves the quality of the products, but it also gets customers into a position where they can sustainably foster their harvest as well as the economic side of their businesses.

Using minimal application rates naturally available resources are stimulated (e.g. microbiology) and, the use of synthetic products, such as chemical fertilizers and pesticides, can be reduced.





Global distribution



We provide products of the highest quality which are distributed in over 35 countries by our partners who share our values.

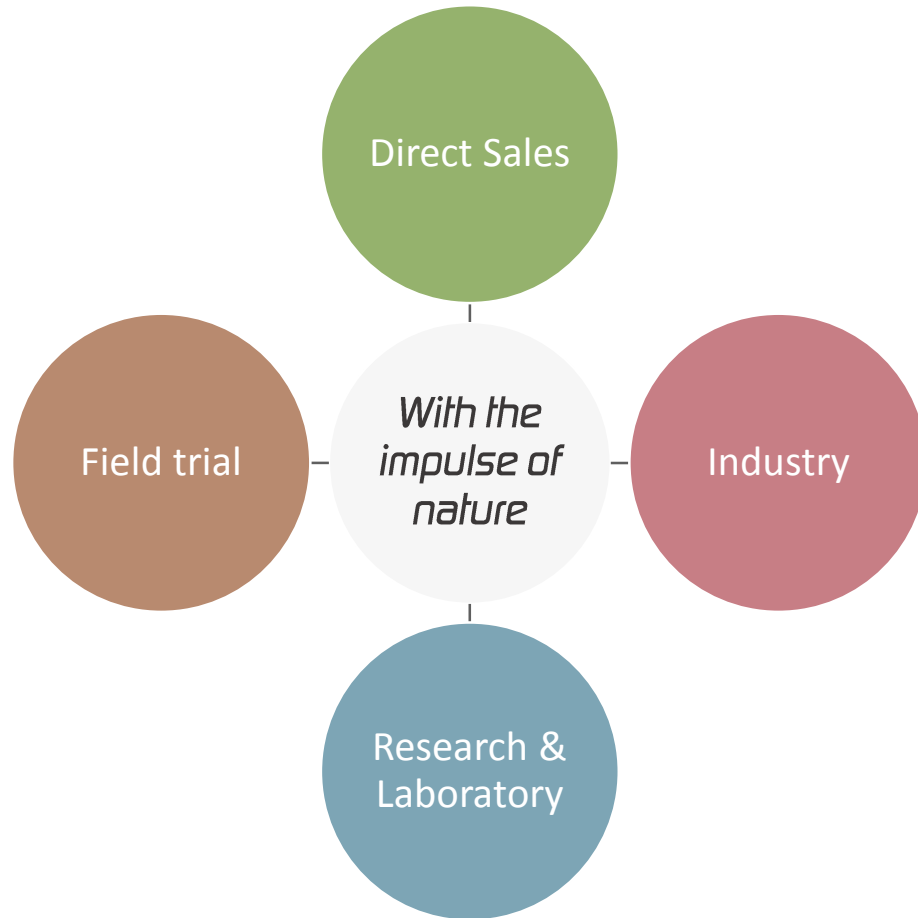
Switzerland Global Enterprise elected us as member of the month in January 2020.

<https://www.s-ge.com/en/article/member-month/20201-c1-member-january-2020-penergetic>

 **SWITZERLAND
GLOBAL
ENTERPRISE**



Business model



Direct sales

Our distribution partners sell the penergetic product range directly.

Industry

The penergetic fertilizer partners add our products to their mixtures to enhance the efficiency with our bio-technology.

Research and Laboratory

Together with our scientists in Brazil, we research for the agriculture of the future and generations of tomorrow.

Field trials

Penergetic products are used by thousands of farmers worldwide. Their feedback and our field trials give us precious and constant feedback to continuously improve our products and services.



Penergetic agricultural products

penergetic b

for active and fertile soil

Stimulates soil biology
Increases nutrient availability
Activates mycorrhiza growth

penergetic p

for vital and productive plants

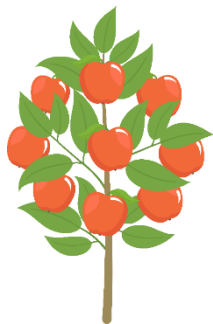
Optimizes the photosynthesis
Releases soil bound plant nutrients
Stimulates root growth





The solution for your crops

Technology based on more than 20 years of research and field trials worldwide



Penergetic Orchard



Penergetic Vegetables



Penergetic Cereal / Corn



Penergetic Potatoes



Penergetic Field Crops



Penergetic Viticulture



Penergetic Flowers



Watch the [explanatory video](#) on our agricultural products.

$\mathcal{G}^{\text{IC}^0}(\int_{H_{1,2}}, \int_{H_{1,2}}^{\text{Profil}})$



Penergetic animal husbandry products

penergetic t

for sustainable and beneficial
Animal husbandry

Promotes immune system
Improves stress resistance
Optimizes feed efficiency



penergetic g

for homogeneous slurry and
valuable manure

Improves slurry flowability
Activates beneficial microorganisms
Odor abatement





Certificates – Quality is our priority



*Approved for organic farming in
Switzerland in accordance with
FiBL's list of operating resources*

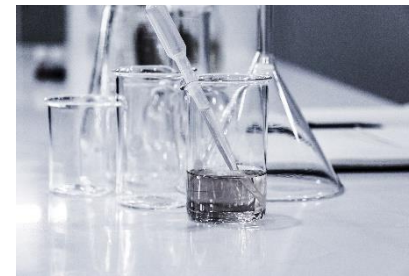


$$\sum_{i=1}^n w_p^{IC} = f(w_{p_i}^{OS}, E, H_{1,2}, \emptyset_{1,2}, t_E, t_{H_{1,2}}, OS_{A,d}^n, \overline{OS^n IC^o}, \int_{H_{1,2}}, \int_{H_{1,2}}^{Profil})$$

Technology –research for the future agriculture

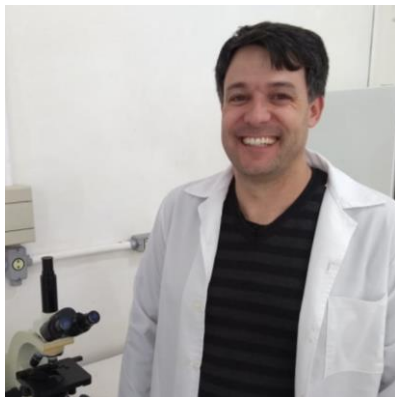
Utilizing the potential in agriculture

The penergetic technology is based on physical and biological science. Our innovations are put to the test in laboratories and with several filed trials in collaboration with the international network of Penergetic partners.





Our research teams in Switzerland and Brazil develop new solutions for the future agriculture



Ricardo Steffen

*Research Center Brazil
PhD in Soil Science*



Gerusa Steffen

*Research Center Brazil
PhD in Soil Science*



Birgit Wilhelm

*Research Center Switzerland
Naturopath and Founder*



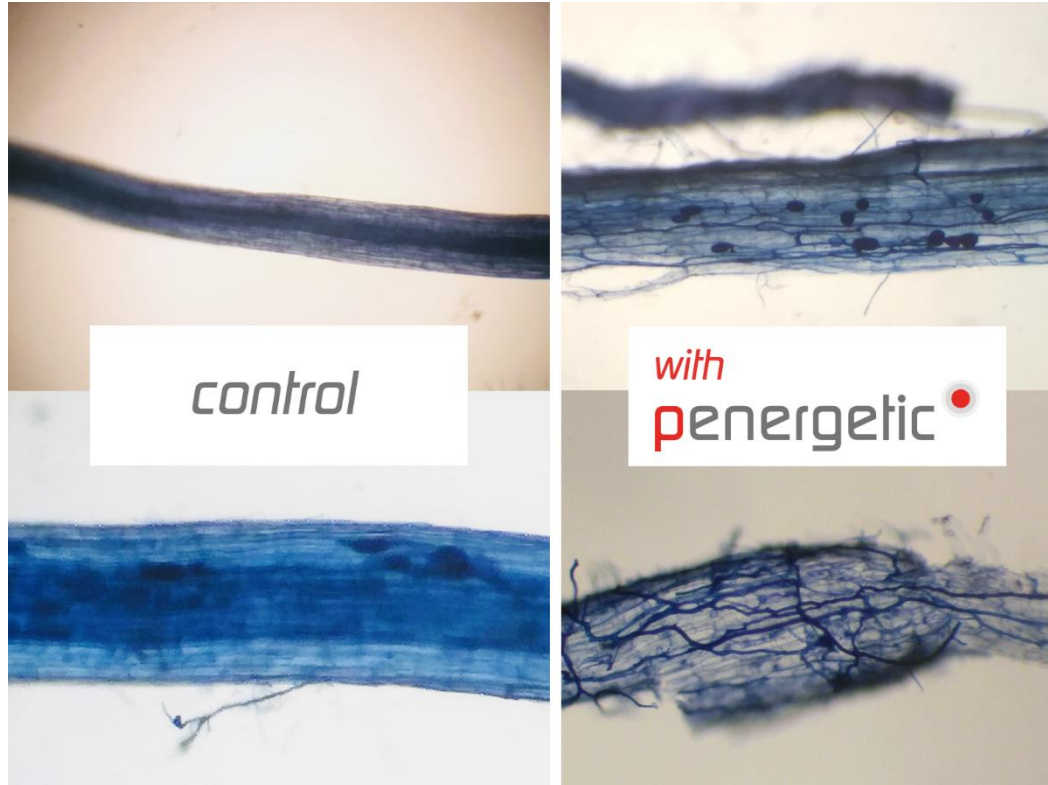
Ciril Wilhelm

*Research Center Switzerland
Co-CEO and Technical Research*

$\int_{H_{1,2}}^{IC^0} \int_{H_{1,2}}^{Profil}$



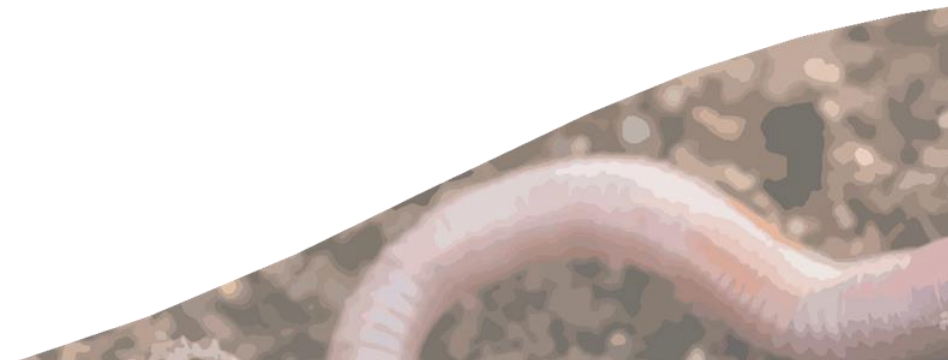
We tackle problems at their roots



Section of soybean roots grown in soil without penergetic and with penergetic.

Read our latest research on mycorrhizal symbiosis [here](#)

Research analyses from Dr. Ricardo and Gerusa Steffen





Our customers



Conventional



Organic



Industry



Horticulture



Testimonials



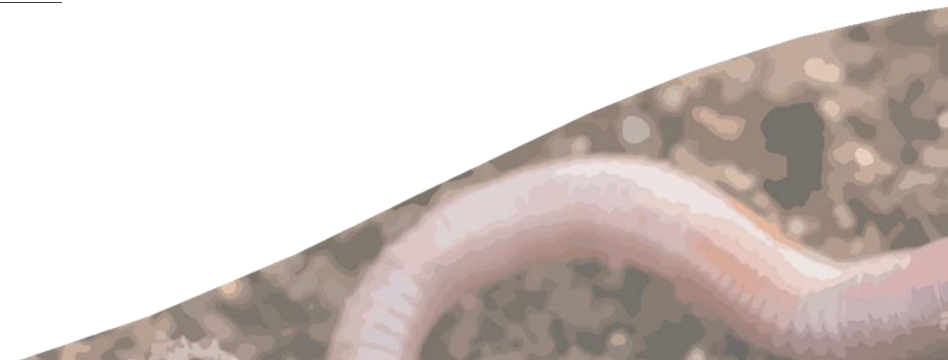
"In the Penergetic variants, the amount of artificial Nitrogen was reduced by 20 - 50% but the yield remained stable. NDVI tests per drone showed a higher value for the Penergetic variants in mid-June. This indicates a better vitality (greening) of the plants. This is also reflected in the yield measurements".

Feiffer consult, Germany https://feiffer-consult.de/en_GB



"My neighbors have observed my way of working for more than 10 years now –they see the positive changes on my fields, but still continue to use conventional methods. I am surprised about that, because the Penergetic system is extremely cost efficient and easy to apply and, as we see on my farm, you get outstanding results!"

Johann Braid, St. Roman b. Schärding, Austria / Christof Weber, Austria <http://penergetic.at/>





Testimonials



"We had a reduction of 80% in spraying costs and 15% more yield with penergetic p."

André Pretorius, Boland Organic Solutions South Africa <https://www.bolandorganics.com/>



"Had a phone call from a happy customer. Despite record rainfall last for the past month (250% of normal) they were able to travel their silage ground yesterday to apply slurry with minimal to zero damage. They are astonished at how their soils have managed to absorb the record rainfall and dry out very quickly. A slurry contractor got stuck with pipe and dribble bar on a neighbouring farm yesterday. This is a remarkable testament to what Penergetic as part of a balanced biological program can do for our farmers and their soils. Looking forward to the future 🌍."

Leslie Dwyer, APS BIO AG, Ireland, <https://apsbioag.ie/>





Become part of our success story



We would love to give you more information about our product portfolios, references and services.

Please do not hesitate to contact us!



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