

Our services to SME



- Innovation consultancy for all companies:
 - Innovation analysis
 - Research for best solution
 - 3. Support with implementation

for all yfields







Main focus power technology and resource efficiency

- Power transmission
- Renewable energies and power efficiency

Main focus nano- and material technologies Take advantage of new material properties

Typical project flow



Innovation analysis

Research solution

Support/research

project funding

Assistance during

project

- Information $First\ meeting$
- Innovation hotline
- Initial consultation
- Assistance in setting up innovation projects
- Technology clarificationsFeasibility study
- Search and mediation of partner
- IP research (patents / freedom to operate)

- Customer service
- S ituational support if needed / desired
- Success stories





- Market analysis IoT today
- Existing solutions
- Customer needs
- Outlook

 Student project department energy & environmental technology (3rd semester)

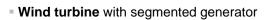


Fachhochschule Nordwestschweiz

RIBAG



Wind of Change



- High availability
- Cost efficient maintenance





Fachhochschule













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Independent power supply



- Intelligent power cubes for emerging and developing countries
 - Project consultancy
 - Interdisciplinary creative-workshop



In cooperation with: FHSG, industrial partner



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NANO TECHNOLOG

ENERG'

Future protein resource

ZENTRUM AARGAU

Topic: "organic waste" → Solution: "Hermetia illucens" larva



- IP and technology support
- Assistance with organizational issues
- Support in design and marketing issues
- Feasibility study to minimize risk of new production and product concepts

concepts

Start-Up and settlement support:



Aargau Services Standortförderung Hermetia illucens Larva

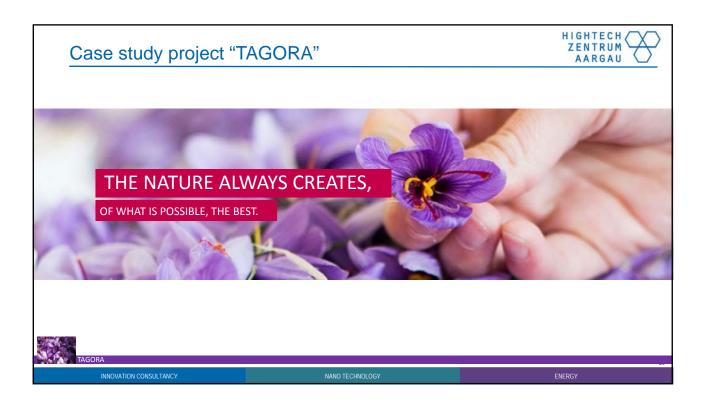
Hermetia illucens Fly

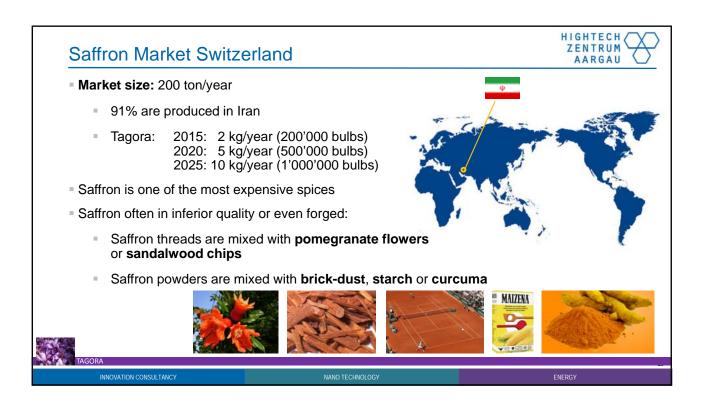
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NERGY

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Project Description



- Saffron of Switzerland: Top quality
 - Sustainable production
 - bio & according to ISO-Norm 3632
 - In balance with human, animals and environment
 - manual cultivation and processing
 - employment and training of local employees
 - Risks & chances
 - direct competition with low-income countries
 - varying production volume based on climate conditions
 - legal regulations for end product like liqueur, syrup, cosmetics









Saffron products & sales channels





- **soul food**: saffron threads, liqueur, syrup, créme de saffron, saffron mousse, saffron-cake, saffron-rice
- health food: saffron-chocolate
- cosmetics: moisturizing day cream
- Sales/Marketing
 - culinary events, direct sales, eshop
 - cooperation, media













HIGHTECH ZENTRUM

AARGAU









- Management
 - strategic, organizational and implementation support
- Technology consultancy
 - finding research partners
 - IP questions
- Marketing
 - Advice in marketing strategy
 - topic "Swissness"





TAGOR

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Shrimp Market Switzerland



- Market size: 9'000 ton/year, of which 450 to in premium segment
 - 99.5% imported from Asia (mostly intransparent production conditions)



- Production planned by Swiss Shrimp
 - 2019: 60 ton/year, 0.7% market share
 - 2023: 150 ton/year, 1.7% market share
- Present production capacity in swiss premium segment
 - approx. 4 ton/year
 - Huge market potential for sustainable produced shrimps

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SWISS**SHRIMP**

Fangfrische Shrimp aus der Schweiz. FNFRO

Project Description



- Shrimps of Switzerland: Fresh and Tasty
 - Species-appropriate production
 - certified feeding
 - no artificial additives
 - no antibiotics
 - Energy efficiency
 - exploitation of waste heat of near salt production
 - avoidance of transports
 - Closes resource loop
 - recovery and further use of chitin and betacarotin





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ENERG)

Owners/Founders



- Founders
 - Thomas Tschirren, initiant
 - Rafael Waber, CEO
 - Michael Siragusa, CTO
 - Daniel Gfeller, CFO

President of the Board

Jean-Claude Cattin



SWISSSHRIMP

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FNFRO

Contribution Hightech Zentrum Aargau



- Project Financing Support
 - guarantee by «Technologiefonds des Bundes»

Project Development

- controlled lighting for a healthy animal growth
- controlled feeding depending on biomass
- automated water quality analysis
- use of filter waste







SWISSSHRIMP

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At your disposition



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