



CONTECHIN[®]

complete solution

modern technologies
consultancy - financing
delivery - service



in harmony with nature

www.contechin.eu



VISION

Bringing customers a complete and optimal solutions in all areas of our production and supplied activities

MISSION

To become a leading supplier of advanced technologies and investment units. It is extremely important for us, that during our growth, we adhere to our ethical and moral principles. We would like to contribute to life in harmony with the natural resources.

VALUES

- Professional team
- Responsibility towards the environment and natural resources
- Respect and human approach to customers and colleagues

The company CONTECHIN specializes in supplies of modern technologies and investment units. We believe that thanks to our skills and experience, we contribute to the gentle approach and use of natural resources. An important aspect is also the tradition and experience of Czech industrialists, which we respectfully follow.

The Czech industry has been and will continue to be one of the world leaders. In the field of energetics and mineral resources processing, we offer modern solutions at the highest level of professionalism for reasonable price.

CONTECHIN specializes in complete and professional solutions. Our team of colleagues and associates connected to our consortium is able to handle even very demanding tasks.

We supply technologies for biomass processing, mineral resources processing and technologies for the production of heat and electrical energy from biomass.

We also pay a great attention to communal waste processing.

Based on increased demand we also have microbreweries for the production of Czech type beer in our product portfolio. The offer of starting solutions worth mentioning as well. We also supply the required raw materials, such as malt and hops.

We provide complete solutions containing consultancy, solution design, delivery, commissioning, staff training, service and supply of spare parts. We want our customers to be fully satisfied and to come back. Gaining the customers trust is our goal as it is our commitment.

Borivoj Minar

A blue ink handwritten signature, likely belonging to Borivoj Minar.

MINERAL RESOURCES

- Technology for mineral resources processing
- Technology for the production of dry building materials

pgs. 4-5

ENERGY

COMPLETE SOLUTION FOR BIOMASS PROCESSING

- Pellet / briquette lines
- Processing of municipal waste
- Technology for the energy production from biomass
 - Biogas plants
 - Haystack / wood chips boilers
 - Biomass power plants

pgs. 6-9

MICROBREWERIES

VARIOUS TYPES OF BEER

- Special, flavoured, strong, mild, light, dark, filtered, unfiltered

pgs. 10

CONSULTANCY

- Technical, managerial, export and HR
- Coaching for individuals and within the team

pgs. 11



TECHNOLOGY FOR MINERAL RESOURCES PROCESSING

We offer counseling, design and delivery of complete technological units or individual machines. We always look for the most optimal and effective solution. We design supplies of energy-saving equipment with higher productivity and safety with minimal maintenance requirements. We will increase your satisfaction by optimizing and reducing your operation costs which will improve your competitiveness as well.



— **CRUSHERS**
— **SCREENERS**

TECHNOLOGICAL LINES
complete solutions

TECHNOLOGICAL JUNCTIONS
partial adjustments



MOBILE DEVICES

Supplies of individual machines as well:

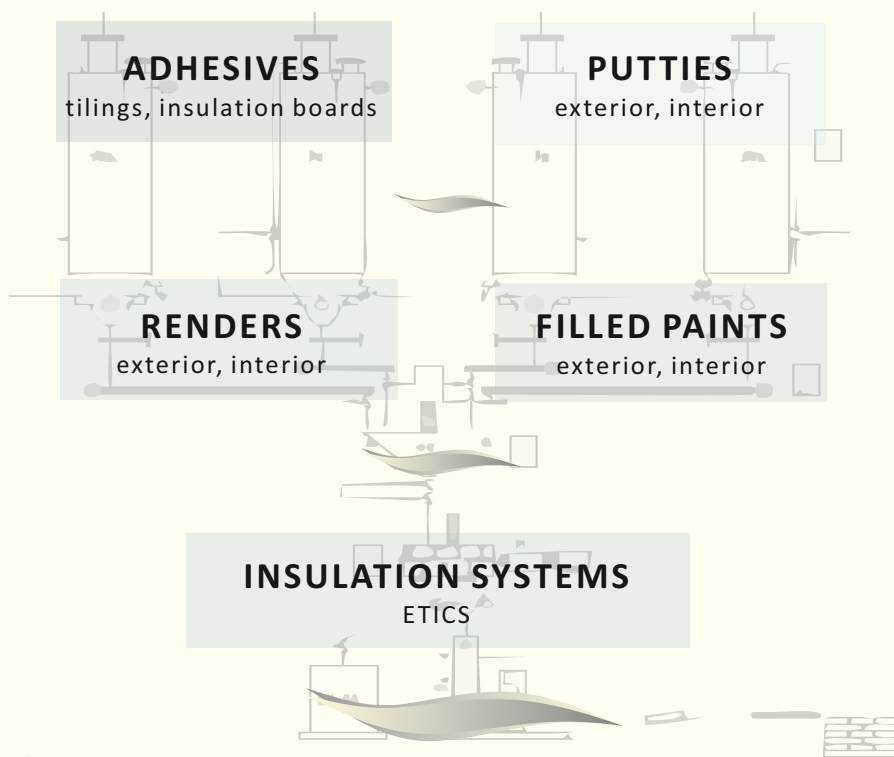
- Crushers**
- Screeners**
- Conveyors**
- Feeders**
- Washing Machines**
- Mixers**
- Packaging Equipment**



The OUTPUT is fine, sharply sorted crushed stone which can be the final product or used as an input material for the production of dry building materials
=
SYNERGY EFFECT

TECHNOLOGY FOR DRY BUILDING MATERIALS PRODUCTION

The production of building materials offers the opportunity to achieve a higher added value of your raw materials and independence from your key suppliers. It not only improves your market position but also increases your competitiveness. At the same time, it is possible to create another product - external thermal insulation composite system (ETICS).



SYNERGY EFFECT

- **Added value** - high quality guaranteed, available raw materials
- **More profit** - own raw materials processing, minimum purchase
- **Ecological approach** - transport emissions reduction
- **Effective development** - portfolio, better competitiveness



PELLET / BRIQUETTE LINES

The unique technical solution allows independent operation of individual modules of the line (sorting, drying, pressing, packaging)

PELLET LINES

Pellets are modern ecological fuel, which in its production uses biomass renewable sources. Advantages are high calorific value and the possibility of heating the boiler automatically without manual reloading. This type of fuel is very easy to handle, transport and store. The heating comfort is therefore close to the heating comfort when using gas.



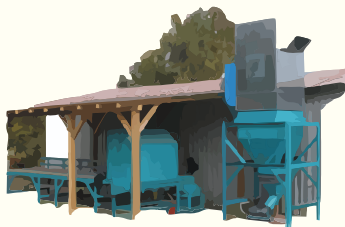
WOODEN PELLETS

Waste from wood production is used for their production - sawdust, clean shavings and wood chips without bark

AGROPELLETS

The initial raw material is mostly straw, which would otherwise find no meaningful application. Agro pellets may not only be used for heating, but also for hygienic litter and can then be used in a biogas plants.

CON-PELET[®] lines for pellets and briquettes are specially designed with minimal energy and operation costs. They are always a complete solution according to the customer's specific requirements.



BRIQUETTE LINES

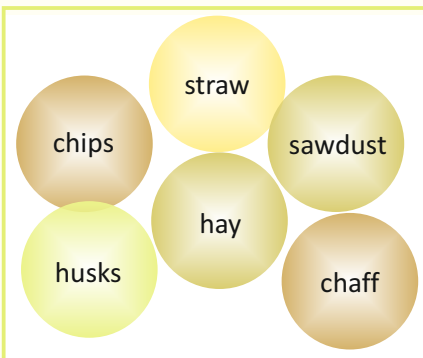
Briquettes can replace classical pieces of wood in heating. Wood waste with a bark can be used in their production. Big advantage is using the so-called „night briquettes“ with longer burning time.

BRIQUETTES

RUF, NESTRO, Pini Kay, for night and more

COMBI PELLET/BRIQUETTE LINES

Thanks to a modular solution, pellets and briquettes can be produced simultaneously on a single **CON-PELET**[®] line.



ENERGY COSTS OPTIMIZATION

ENERGY COSTS

+

SERVICE

+

VARIABLE
MODULAR
SOLUTION

Energy

PROCESSING OF MUNICIPAL WASTE

- Landfills
 - Sorting plants
 - Processing
- DESIGN SOLUTION and DELIVERY of technology**

HEAT

BIOGAS

SORTED WASTE

COMPOST

ENERGETIC USE OF WASTE

- Reduces the burden on the environment by means of environmentally friendly waste treatment
- Saves natural resources of raw materials and energy
- Reduces mining and consumption of primary resources and hence negative environmental impacts

COSTUMIZED SOLUTION

Based on supplied data and desired objective of the client, we design the most economical solution.

renewableenergy
www.contechin.eu





TECHNOLOGY FOR THE ENERGY PRODUCTION FROM BIOMASS

BIOGAS PLANTS

Energy consumption all over the world is rising while decreasing supplies of non-renewable energy sources such as coal, oil and natural gas. In addition, consumption of this kind of energy sources is very hard on the environment. Therefore, the importance of renewable energy sources increases. Biomass is a very important part for heat, gas, electricity and fuels productivity and is almost fully usable.



An investment in our children's future

Biogas plants are modern and eco-friendly devices that are typically used in the Czech Republic and abroad. They process a wide range of materials or organic waste through anaerobic digestion (process in reactors without air). The result of the process is biogas, which is mostly used for the production of electricity and heat and digestate, which can be used as high quality fertilizer (like a compost).

Biogas plants according to feedstock

AGRICULTURAL BGP

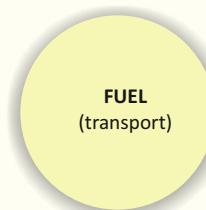
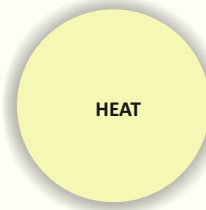
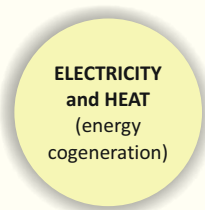
As inputs they use materials from agricultural primary production.

WASTE BGP

It is used for the processing of biodegradable waste. These include, for example, biodegradable municipal waste (BDMW), waste from the food industry, sewage sludge from sewage treatment plants, waste from shops (expired food).



BIOGAS CAN BE USED AS A SOURCE FOR:



Solutions tailored to your specific task and situation. The modular composition of standard modules allows flexible solutions and quick installation with simple operation and subsequently smaller service demands.

TECHNOLOGY FOR THE ENERGY PRODUCTION FROM BIOMASS



BIOMASS BOILERS

Biomass boilers can be hot-water, steam or hot-air and can be used for both heat and power.

In terms of the use of biomass fuel, boilers can be divided into two basic groups:

STRAW BALES BOILERS

straw of rapeseed grains, energy straw, cannabis, energy sorrel, etc.

WOOD CHIP BOILERS

mixture of sawdust, shavings, bark, wood and industrial chips

HAND-OPERATED BOILERS

for small biomass packages (straw, hay, cannabis, energy plants)
only in hot-water design

50-190 kW

100-1000 kW

600-5000 kW



BIOMASS ENERGY PLANTS

Combined production of power and steam for own purpose

Use of the residual heat for own purpose

500 kW el.

1000 kW el.

1500 kW el.

ENERGY PLANT CONTAINS

- Steam boiler for biomass
- Power generation technology (steam turbine, steam engine)
- A block to convert residual steam energy into electricity
- Control and electrical system for power generation technology

SIMPLICITY

COMMISSIONING

TRAINING



We will prepare the project documentation with the location of the technology into the ground plan, according to the documents and requirements provided by you.



BREWERIES, MICROBREWERIES

Czech beer - a typical world known beverage of the unmistakable taste and recipe.

- Made out of Czech hops and malt
- Brewed by a Czech brewer or a person trained by him in the local brewery.



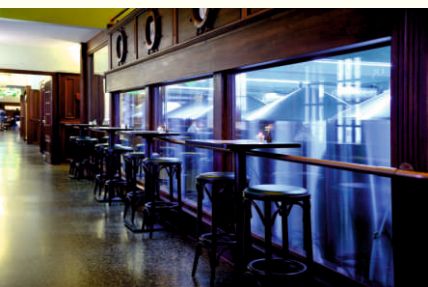
MULTIPLE OPTIONS OF BEER PRODUCTION



START-UP SOLUTION

Microbrewery
CON-BEER® 500

Microbrewery
CON-BEER® 1000



- Professional solution, TÜV certified tanks with extended service life. Made of high-alloy stainless steels, resistant to sanitizing solutions and aggressive cellars environment.
- Energy saving concept for more economical production of beer.
- Microbrewery allows the production of the healthiest living unfiltered beer from Czech hops and malt, using Czech recipe, and trained staff by a Czech brewer.

CONSULTANCY

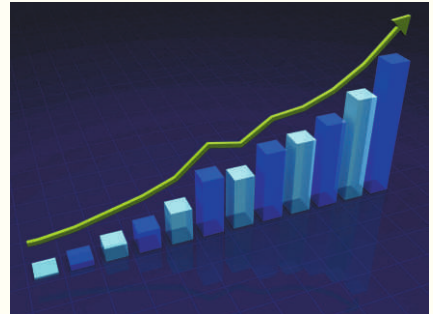
TECHNICAL ADVICE

Feasibility studies for technologies supplied by us
Expert reports and project designs
Energy-savings - a set of technical actions
Revitalization of buildings - insulation, windows replacement, roof insulation, regulations



MANAGEMENT CONSULTING

Interim management
Improving performance of the organization
Internal communication
Managing people, Leadership skills
Team building



EXPORT COUNSELING

Preparation for export
Products for export
Area of interest for export
Competition
Sales models
Foundation of companies in the Czech Republic and abroad



PERSONAL COUNSELING

People recruitment and their adaptation
Performance testing
Evaluating system and motivation

COACHING

Personal coaching
Occupational and performance coaching
Maximizing the potential of the individual as well as within the team



ПОСТАВКИ

SERVICE

ДЕСИГН

DELIVERY

CONSULTANCY

КОНСУЛЬТАЦИИ

KONZULTACE

DODÁVKY

СЕРВИС

SERVIS

DELIVERY

技术

MODERN TECHNOLOGIES

ФИНАНСИРОВАНИЕ

MODERNÍ TECHNOLOGIE

СОВРЕМЕННЫЕ ТЕХНОЛОГИИ

酿酒

Rainbow from The Czech Republic

KONZULTACE

技术



CONTECHIN[®]

complete solution

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