

**TT SERVIS BRNO**

*Your partner for RDF*

*consulting*

*know-how*

*design*

*technology*

*machinery equipment*

Company **TT Servis Brno** has been established in the year 1992 as a technical-engineering enterprise with the aim to grant services in the field of building materials production and machinery industry.

Later the company activities intensified step by step, and at present its activities concern to the areas of building material industry and mainly ecological utilization of wastes.

Company ensures both the technology and machinery supplies individually according to the specific requirements of customers.

Our company cooperates with other specialized companies from the relevant industrial branches.

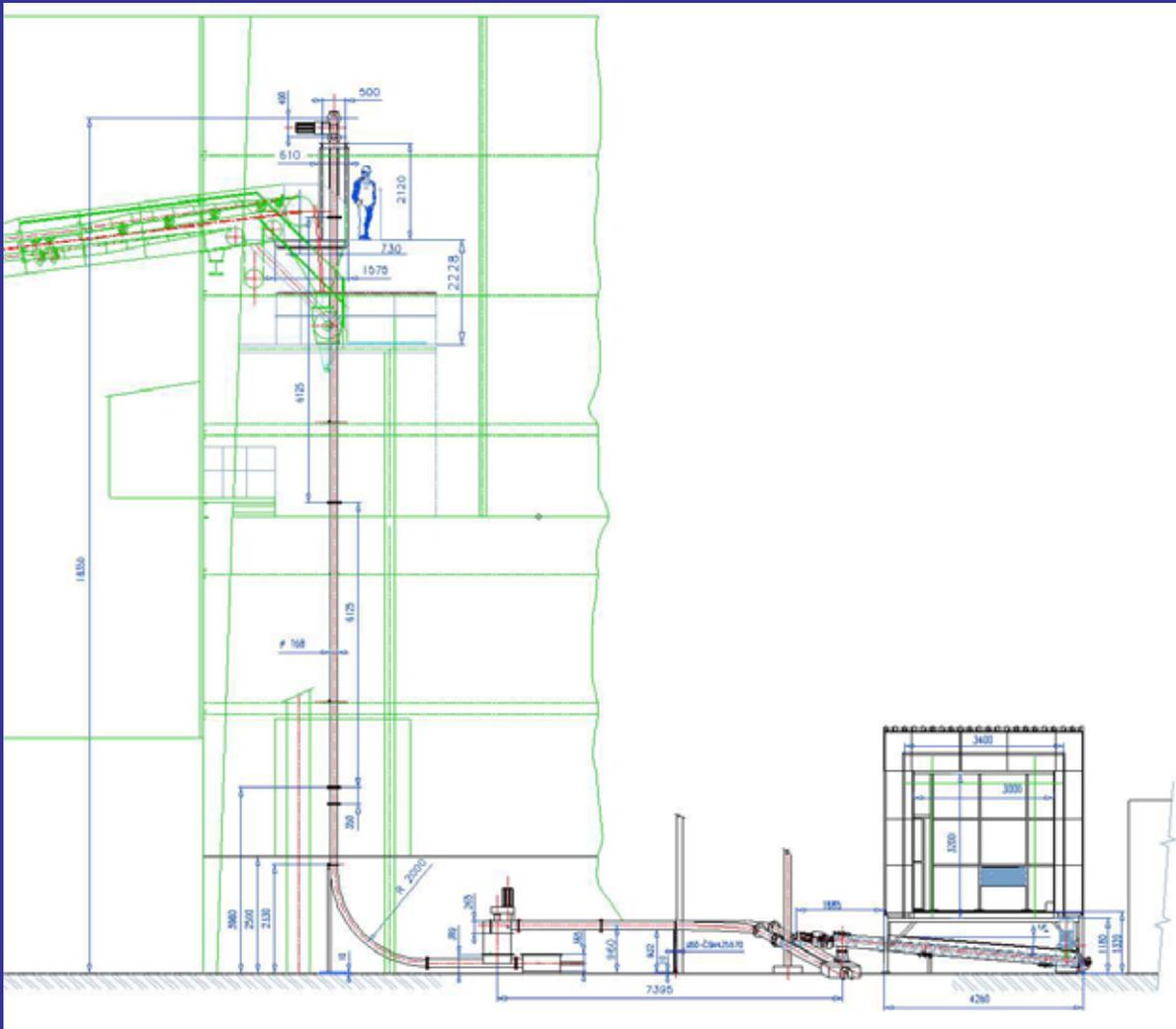
Company is a consulting organization for energy savings, waste management and alternative fuels utilization.



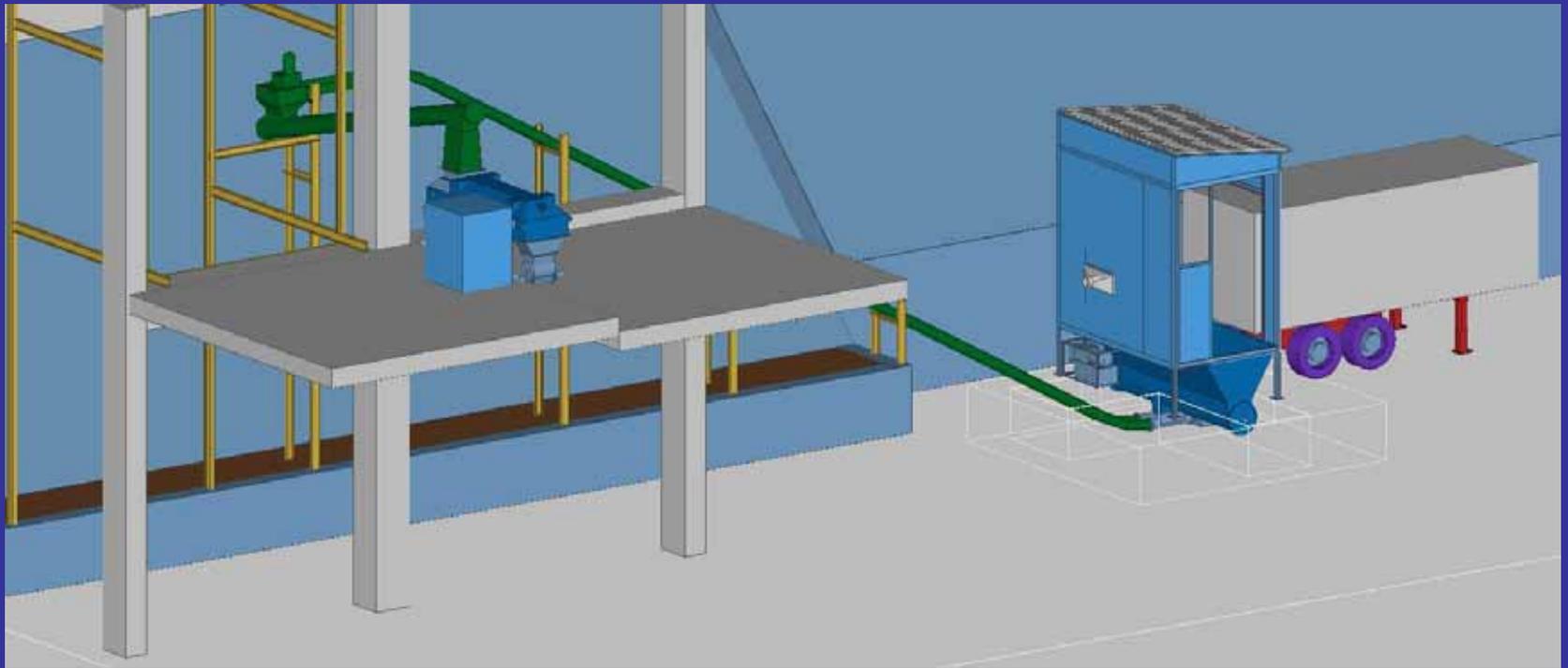
## *ENERGY RECYCLING OF WASTES*



We offer a proposal of optimal formula for waste derived fuel suitable for a certain technological process with regard to the local wastes occurrence, and also supply of the whole technological line for waste derived fuel manufacturing.



# EQUIPMENT FOR DISCHARGING AND TRANSPORT OF RDF



***Equipment for burning of RDF on basis of meat flour in a cement plant.***

***Direct feeding of material from the semi-trailer acting as the same time as a store bin. Transport by disc chain conveyor and warm conveyor to the inlet of belt weigh feeder.***

***Pneumatic transport to the kiln, mixing element special rotary valve with forced chamber discharging.***



***MATERIAL DISCHARGING FROM THE SEMI-TRAILER  
VIA DISCHARGING BOX. SEMI-TRAILER IS ATTACHED  
TO THE BOX BY ITS REAR PART.***

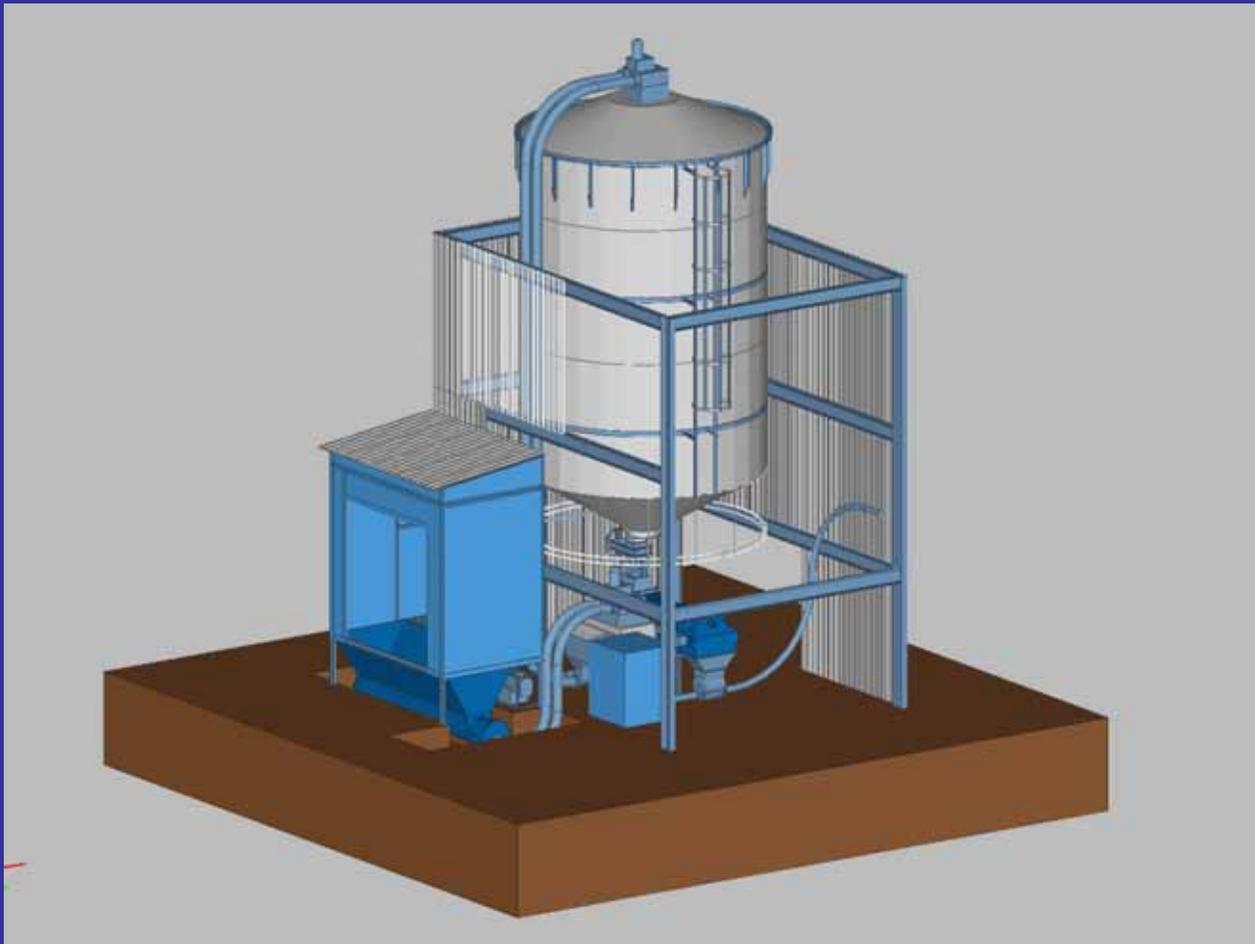
***THE BOX ITSELF IS MOBILE, EASY MOVABLE  
EQUIPMEN.***

***INLET OF THE BOX IS EQUIPPED BY DOUBLE SEALING  
IN ORDER TO PREVENT VENTING OF MATERIAL INTO  
THE ENVIRONMENT.***



***NUMBER OF SCREW CONVEYORS IN THE DISCHARGING BOX IS GIVEN BY THE PROPERTIES OF THE TRANSPORTED MATERIAL.***

***MECHANICAL TRANSPORT, IN THIS CASE BY DISC CHAIN CONVEYORS, IS CONNECTED WITH THE OUTLET OF DISCHARGING SCREWS.***



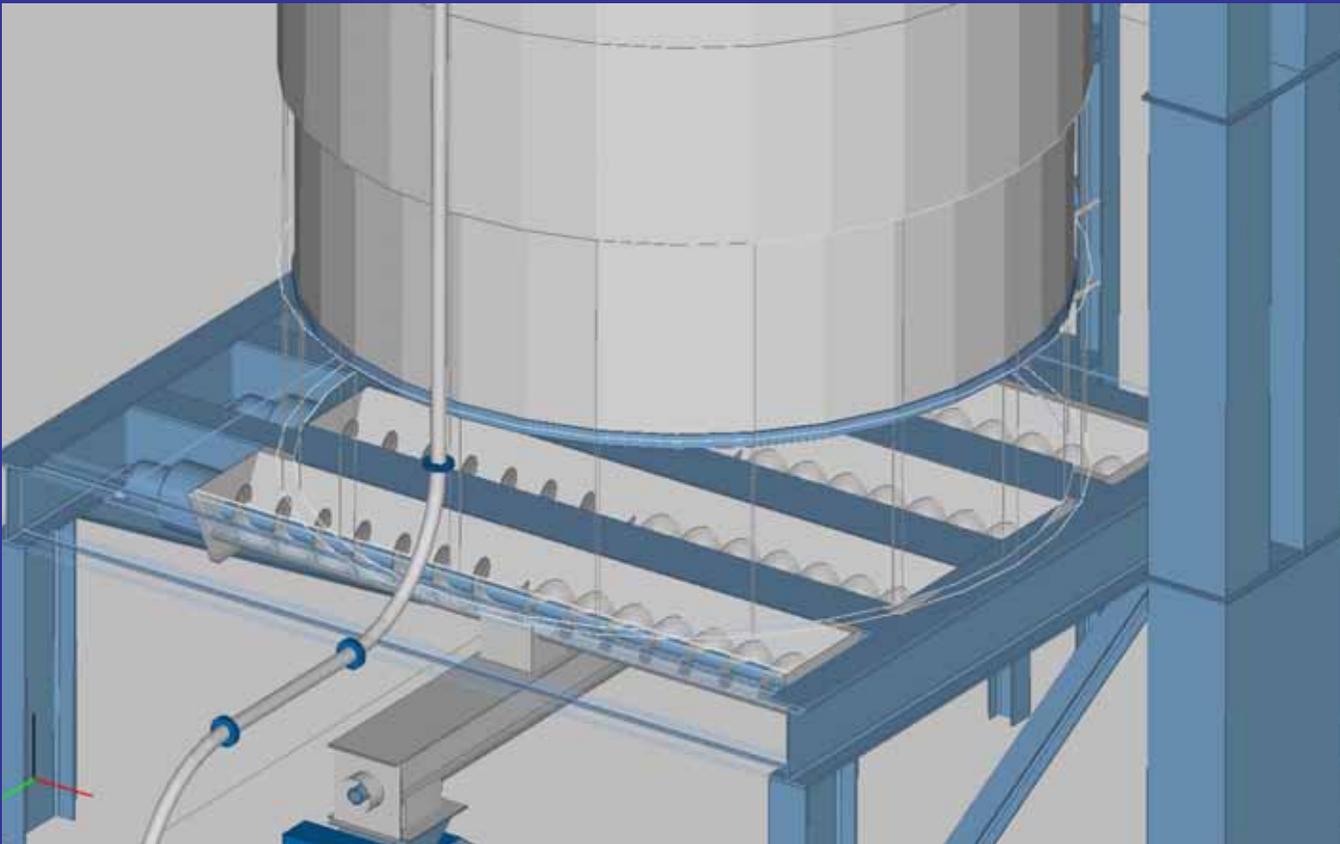
***EQUIPMENT WITH THE  
OPERATION BIN.***

***TRANSPORT FROM THE  
DISCHARGING BOX INTO THE BIN  
BY A SYSTEM OF DISC CHAIN  
CONVEYORS.***

***BOTTOM OF THE BIN WITH  
ROTARY DISCHARGING CUTTER  
SCREWS.***

***UNDER THE OUTLET OF THE BIN  
THERE IS A ROTARY VALVE AND  
BELT WEIGH FEEDER.***

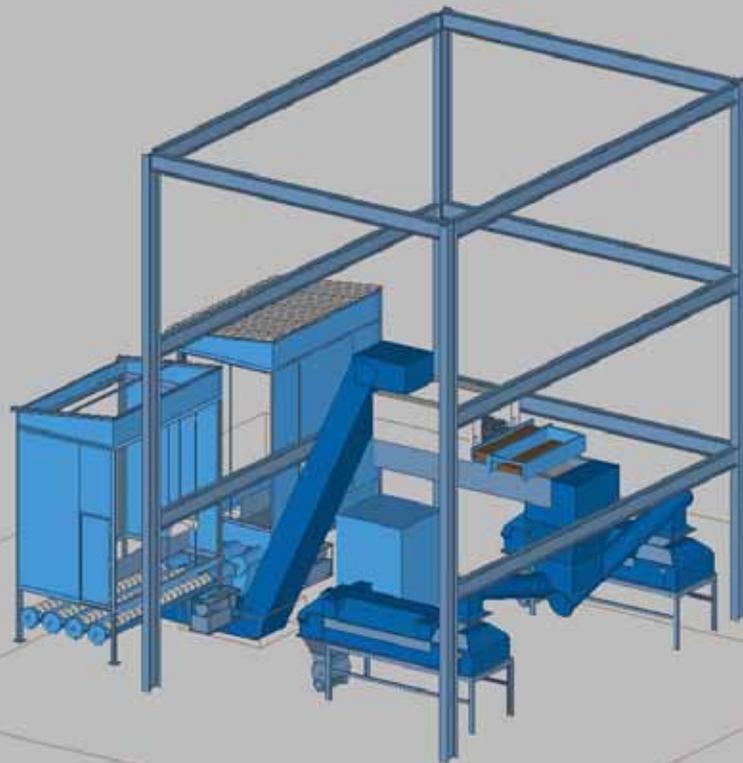
***TRANSPORT TO THE KILN BY  
COMPRESSED AIR.***



**SCREW SINK WITH COUNTER  
RUNNING SPIRALS WITH  
PROGRESSIVE PITCH AND  
CENTRAL OUTLET  
CONTINUEING BY THE MAIN  
COLLECTING SCREW.**

**BY GRADUAL CONROLLED  
STARTING OF INDIVIDUAL  
SCREWS AND BY CHANGE OF  
THEIR REVOLUTIONS, IT IS  
ÚPOSSIBLE TO OPTIMIZE SILO  
DISCHARGING.**

**SUITABLE FOR MATERIALS  
WITH DIFFICULT HANDLING,  
SUCH AS MEAT FLOUR,  
ENABLES SAFE DISCHARGING  
OF SILO EVEN IN CASE OF  
FAILURE OF SOME OF THE  
SCREWS.**



***EQUIPMENT FOR PARALLEL  
DISCHARGING FROM TWO  
SEMI-TRAILERS.***

***TRANSPORT FROM BOTH  
DISCHARGING BOXES BY ONE  
CHAIN CONVEYOR (REDLER)  
EQUIPPED BY SEPARATOR OF  
BIG PIECES AND IRON  
OBJECTS.***

***SMALL OPERATION BIN ACTS  
AS DISTRIBUTOR OF MATERIAL,  
BOTTOM IS FORMED BY  
DISCHARGING SCREWS. EACH  
SCREW TRANSPORTS  
MATERIAL INTO ONE  
TRANSPORT ROUTE.***



***EQUIPMENT FOR DISCHARGING  
INTO THE UNDER-GROUND  
BUNKER WITH SEGMENT OF  
SCREW SINK.***

***TRANSPORT OF MATERIAL  
FROM THE UNDER-GROUND  
BUNKER INTO OPERATION BIN  
BY MEANS OF DISC CHAIN  
CONVEYORS.***

***OPERATION BIN WITH  
DISCHARGING ROTARY  
CUTTER OS SCREW BOTTOM.***

***KILN FEEDING VIA BELT WEIGH  
FEEDER AND ROTARY SEAL.  
TRANSPORT TO THE KILN BY  
COMPRESSED AIR.***



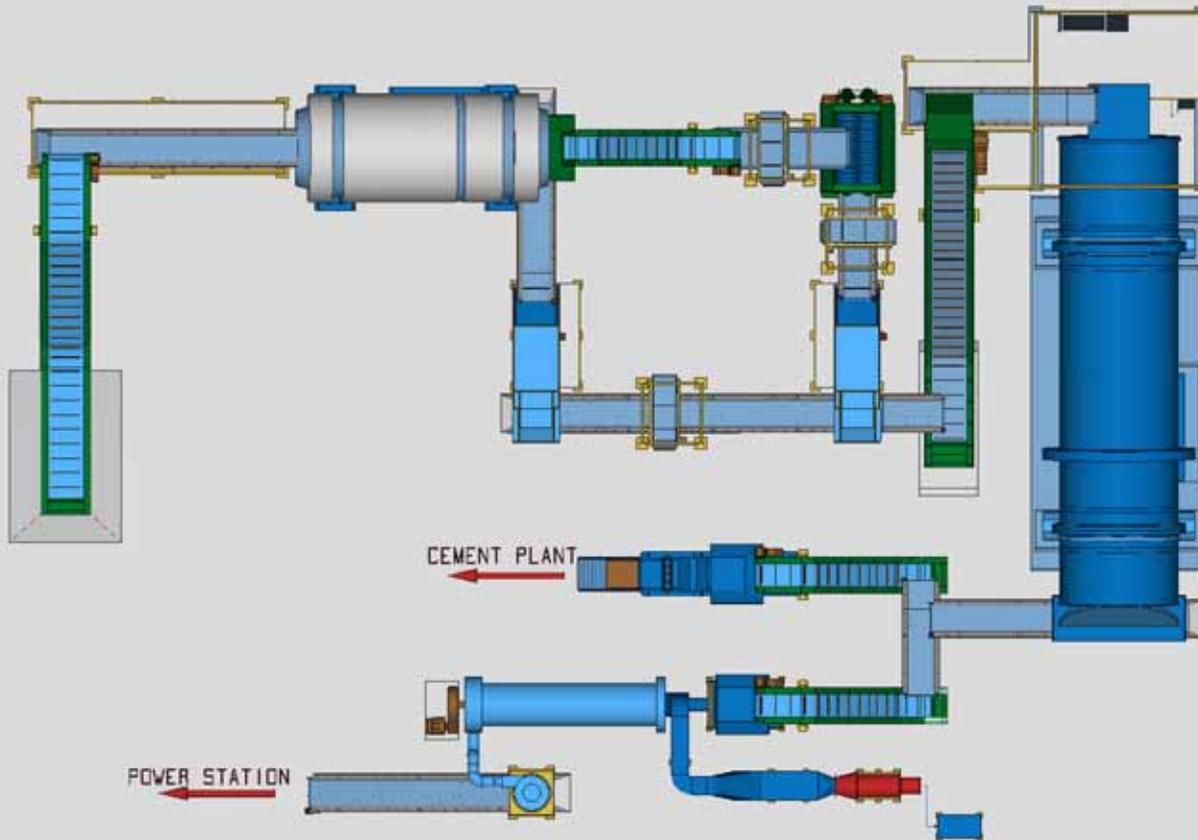


***EQUIPMENT FOR FUELS WITH  
EXPLOSIVE PROPERTIES.***

***DISCHARGING CATCHMENT IS  
LOCATED UNDER THE GROUND,  
TRANSPORT INTO THE  
VOLUMINOUS SILO  
MECHANICAL BY A SYSTEM OF  
SCREWS AND ELEVATORS.***

***ENAMELED STEEL SILO IS  
DEDUSTED AND EQUIPPED BY  
EXPLOSIVE FLAPS.***

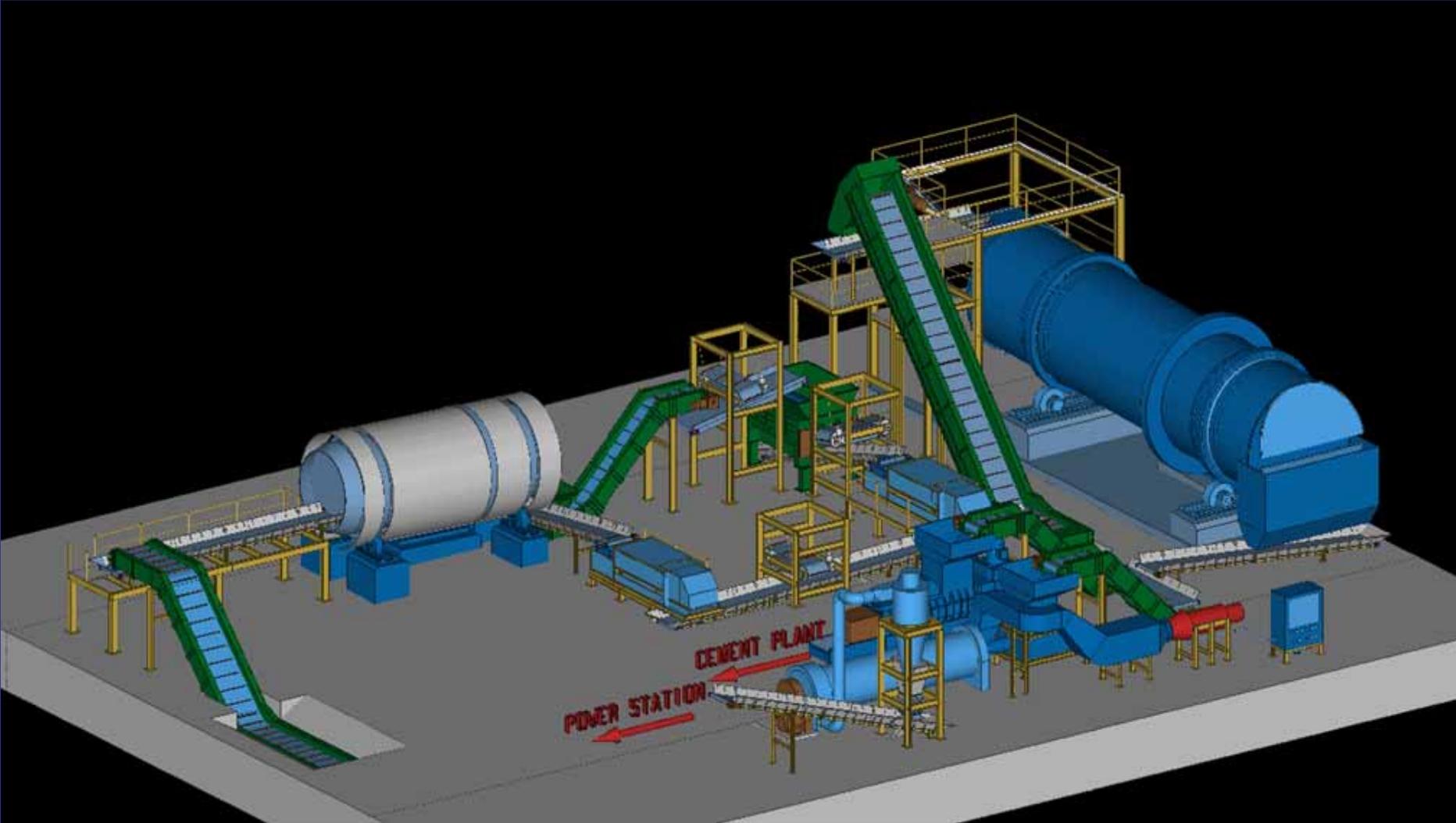
***THE SINK OF THE BIN IS MADE  
OF SCREWS.***



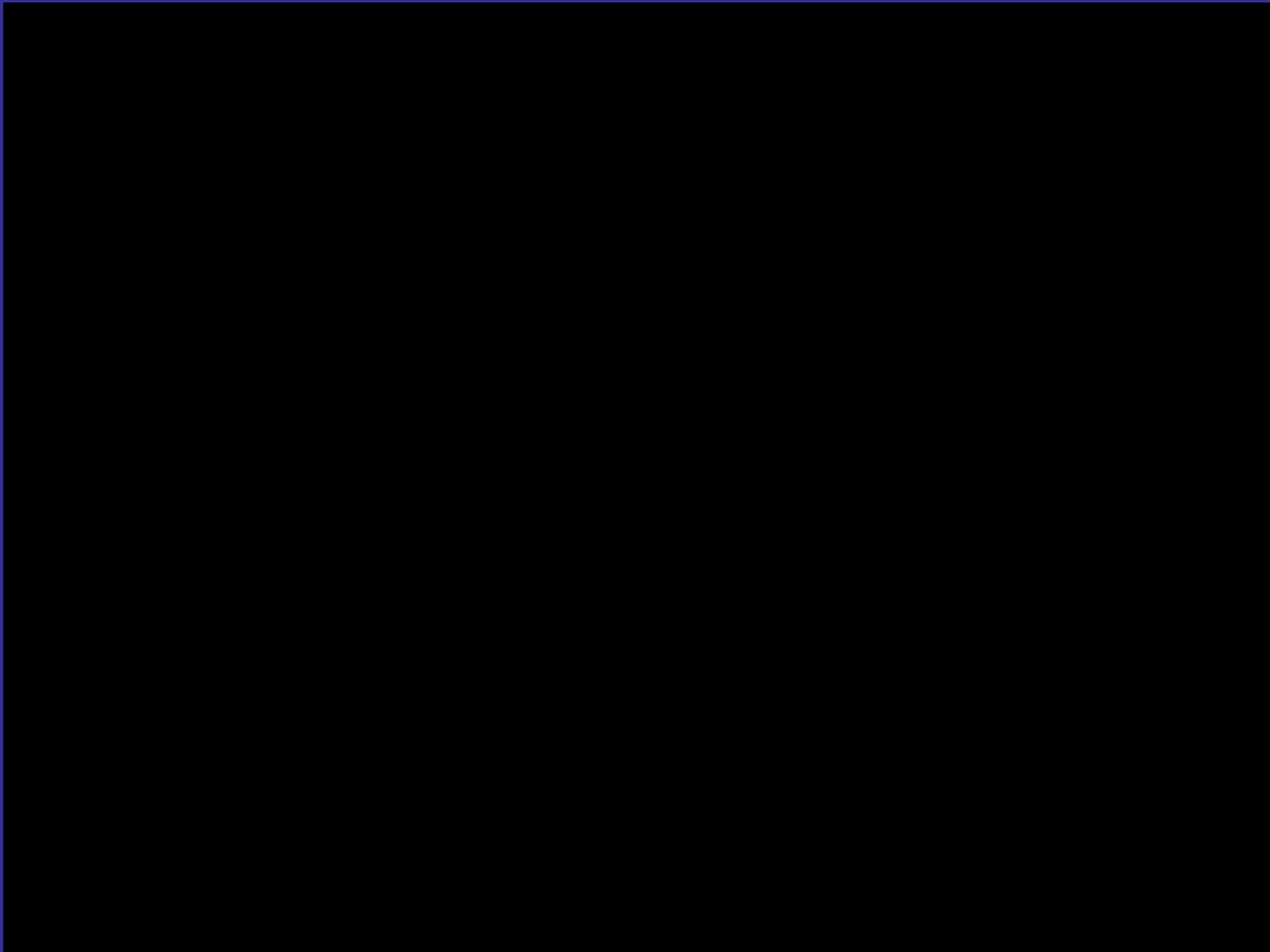
**PREPARATION OF GREEN COAL  
BY USING THE TECHNOLOGY OF  
AEROBIC DIGECTION OF  
SEPATATED PARTS OF MUNICIPAL  
WASTE**

**UTILIZATION OF GREEN COAL:**

- CEMENT PLANTS
- POWER STATIONS
- BOILER UNITS
- HEATING PLANTS



**3D MODEL  
OF GREEN COAL PREPARATION**





## **ADMINISTRATIVE INFORMATION**

**Name of the company:** *TT SERVIS BRNO, s.r.o. (Ltd.)*  
**Company established:** *1992*  
**Full postal address:** *Mezírka 13*  
*CZ – 602 00 Brno*  
*Czech Republic*  
**Telephone No.:** *+420 541 424 911*  
**GSM:** *+420 602 811 626*  
**Fax No.:** *+420 541 215 745*  
**E-mail:** [ttservis@ttservis.cz](mailto:ttservis@ttservis.cz)  
[vlad.schneider@tiscali.cz](mailto:vlad.schneider@tiscali.cz)  
**http://** [www.ttservis.cz](http://www.ttservis.cz)