

3R ENVIRONMENTAL TECHNOLOGIES

TERRA HUMANA Clean Technology Engineering Ltd. - Hungary

General Manager: Edward Someus

www.3Ragrocarbon.com www.refertil.info

July 15, 2015



The history of the Terra Humana Ltd.

The continuation of 140 years machine work traditions

The Lang Machine Works has been established in 1868 in Budapest with 8 workers. In the beginning steam engines and cast iron manufactured, than has been specialized on heavy equipments for mining & steel industries. Generator manufacturing started up in 1896, and steam turbines from 1905, than from 1910 diesel engines and boilers as well. From 1911 the General Credit Bank became major shareholder.

In 1948 the factory has been overtaken by state ownership, with major profile for the energetic industry machine manufacturing, for export world wide. The extensive manufacturing operations have been been employing over 4000 workers already in 60's and 70's. In 1990 joint venture has been set up with Asea- Brown-Boveri, the ABB-Láng Ltd., in which ABB had 75% ownership. The company has been reorganized during the 90's and by year 2000 fusion with the Alstom Power <http://www.power.alstom.com/home/> , new company established Alstom Power Hungária Plc.

The Lang Machine Works Dombóvár (located South West Hungary 140 km from Budapest) has been a subsidiary to the main Lang organization, where in this subsidiary 285 people has been working. In 1989 joint venture has been set up with the Swedish environmental engineer Edward Someus 50%/50% and Someus has been entitled as the new director of the joint venture environmental division LANG CARBON COMBUSTION TECHNOLOGIES Ltd.

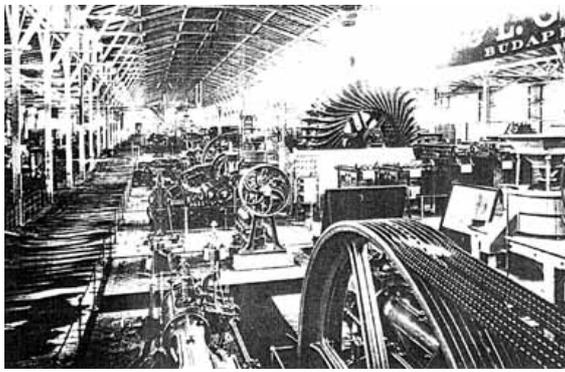
The main environmental control equipment products in the field of pyrolysis, rotary kilns, parts and components are as of Someus inventions. As the Dombóvár division has been privatized in 1996 to a Swiss company (UNIWATT Energy). In 2001 Edward Someus made management buyout from the Lang machine shares for the environmental division and became 100% owner of the Lang Carbon Ltd, than changed the name to Terra Humana Ltd.

3R Environmental Technologies – Terra Humana Ltd.

Tel.: (36-20) 201 7557 or (36-20) 805 4727

<http://www.3Ragrocarbon.com> <http://www.refertil.info>

SKYPE: edwardsomeus E-mails: biochar@3ragrocarbon.com - edward.someus@gmail.com



Lang Machine Works in 1895



Lang Machine Works in 1900



3R biochar technology pilot plant 1991.

The continuation of
140 years machine
work traditions:

Terra Humana
Environmental
Research & Demo
Center 2015

Modern rotary kiln
carbonization plant



3R = safer - better - less costly - more ecological

3R Environmental Technologies – Terra Humana Ltd.

Tel.: (36-20) 201 7557 or (36-20) 805 4727

<http://www.3Ragrocarbon.com> <http://www.refertil.info>

SKYPE: edwardsomeus E-mails: biochar@3ragrocarbon.com - edward.someus@gmail.com