# Dehydris<sup>™</sup> Ultra

**Biomimicry for a sustainable ultra-dewatering** 

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a picíure

Treatment Infrastructure



# WHY? Over the limits of mechanical dewatering



mechanical dewatering

conventional

Drastic cake volume reduction

Extensive water removal without evaporation

Valuable & sustainable product



ultra

# **HOW?** Mimic the natural coal production



# WHAT? Dehydris<sup>™</sup> Ultra, a combination of hydrothermal conditioning and filtration to produce a hygienised, easily transported and stored biocoal





## **Value Proposition**

### Dehydris<sup>™</sup> Ultra



Open circles are touch zones, click on it to learn more



# **Key figures**

# Dehydris<sup>™</sup> Ultra

Open circles are touch zones, click on it to learn more







# **Class A biosolids production**



**Compliant with regulations** US EPA Part 503 Biosolids Rule EU Regulation N°142/2011 §3



**Class A Biosolids** 

Fecal coliform < 1000 MPN / gDS Salmonella spp. < 3 MPN / 4gDS Viable helminth ova < 1 viable ova / 4gDS Thermally treated biosolids





#### Safe usage

Agricultural spreading Landscaping Soil enhancer

#### Dehydris<sup>™</sup> Ultra, a way to produce US EPA Class A Biosolids





side stream treatment

No polymer needed for the post-dewatering









# Water removal dynamics







Dehydris<sup>™</sup> Ultra also induces Solid reduction which leads to a global volume reduction of 75%

Learn more >>

<sup>∪pto</sup>€ 75%

cake volume reduction







dryer consumption: 1000 kWh<sub>thermal</sub> + 100 kWh<sub>electrical</sub> per ton of water evaporated

base:



# Main application drivers : dryness & calorific value



<sup>Up to</sup>

Drvness without

# Hot foul gases: removed, condensed and polished <







Dehydris<sup>™</sup> Ultra at the service of an ambitious and proactive environmental policy





# 1<sup>st</sup> french <mark>Biofactory™</mark>, Dehydris™ Ultra inside



🧑 suez

# SUEZ India commences works on India's LARGEST SEWAGE TREATMENT PLANT

