



## HUGE INCREASES AT KOMPOGAS THERMOPHILIC AD PLANT IN SWITZERLAND, PLANT DESIGN 4000M<sup>3</sup> PER DAY, CURRENT OUTPUT UP-TO 14000M<sup>3</sup> PER DAY WITH XCEL BIO

Biogas volume increase of 30% at a thermophilic digester in Switzerland.

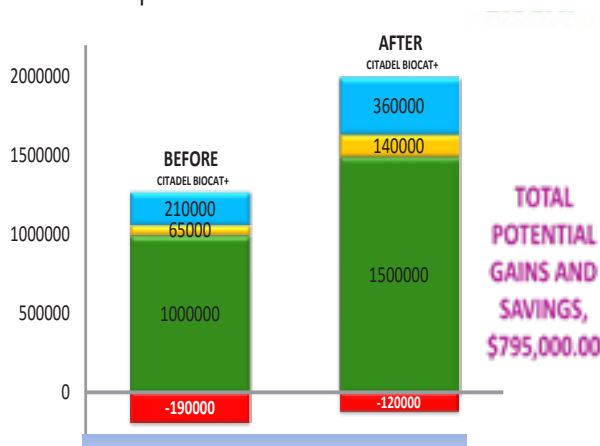
The Germaier SA plant in Lavigny, Switzerland was regarded as one of the best performing AD plants. The field trial has become a project which has been successfully running for the last 3 years. Listed below is the historical data:

- Biogas output has increased from 5545 to over 7201m<sup>3</sup>/day, an increase of over 30%.
- Annual feed stock increased by 50% from 12000 to 18000 tons which increased the gate-fee revenue.
- Organic content of waste liquid reduced by 70%.
- Greater biological stability.
- Reduced odours giving savings in H<sub>2</sub>S
- Reduction in additives, ventilation fans and perfumes.
- Increase revenue from enhanced digestate sales.

The results of the field project clearly demonstrate the effect of Xcelbio on enhancing the performance of indigenous micro-organisms by elevating and accelerating their metabolic performance.



Germaier AD plant, Lavigny Switzerland



The design load of this plant was 40 tons per day. After adding Xcelbio the plant peaked in the summer to 70 tons per day whilst averaging in excess of 50 tons per day. Methane average prior to the addition of Xcelbio was approximately 56% which afterwards increased by over 15%. NOTE: With Xcelbio the plant operator was able to run feed stocks which previously could not be processed, for example sugar crusts from a well known soft drinks producer.

This AD plant has been using our technology for the past 9 years

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