

## Hartbeesfontein WWTW HYBACS Upgrade

<b>Project Name:</b>	<b>Hartbeesfontein WWTW</b>
<b>Client:</b>	<b>City of Matlosana Local Municipality</b>
<b>Capacity:</b>	<b>8 MLD/ 60,000 P/E</b>
<b>Project Scope:</b>	<b>Supply, Installation &amp; Commission</b>
<b>Contract Condition:</b>	<b>FIDIC</b>

**Project Description**

The Hartbeesfontein WWTW is situated in the town of Hartbeesfontein, in the North West Province, and is owned and operated by the City of Matlosana Local Municipality. The town's 4 megalitres per day WWTW was severely overloaded due to an increase in influent volume combined with an increase in influent strength due to a local abattoir discharging into the town's sewerage system.

The key drivers for process selection was that it needed to retrofit onto the existing activated sludge plant and it needed to be able to significantly increase treatment capacity and improve effluent quality within the current plant footprint. Additional drivers were cost effectiveness and energy efficiency.

The HYBACS® upgrade is designed to double the plant capacity from 4 to 8 megalitres per day, an uplift of around 60,000 Population Equivalent. This is being achieved with the installation of eight SMART™ units, and the construction of an additional anaerobic tank and an additional clarifier to handle the increase in hydraulic load.

**Project Duration**

3 weeks (installation & commission)

**Client contact**

**Client organisation:** City of Matlosana Local Municipality

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