

BIOMETHANE

**Upgrading to
biomethane is the most
energy efficient
utilisation of landfill gas.**

Only a few sites do it.
Here's why.



GAS COMPOSITION

Biomethane needs to be >90% methane.

Landfill gas typically sits between 35 to 60%.
Nowhere close. The rest is CO₂, nitrogen, oxygen.



THE ECONOMICS

Upgrading is the most expensive option.

An upgrading plant means large upfront investment. The smaller or older the site, the harder the economics work.



THE PROCESS

It's also the hardest biogas to clean.

Composition shifts with daily weather, landfill well settings and landfill cell age. A moving target is much harder to feed than a steady one. VOCs and siloxanes complicate it further.



WHAT CLOSSES IT

Continuous well tuning bridges that gap.

Stabilising the gas,
keeping nitrogen and
oxygen down, while
maintaining landfill gas
flow, regardless of
conditions.



NEXT

That's what we do at Hydryx.

For sites with
upgraders, that
means steadier flow
and cleaner gas.
All using the same
infrastructure

Hydryx.eu/solution →

