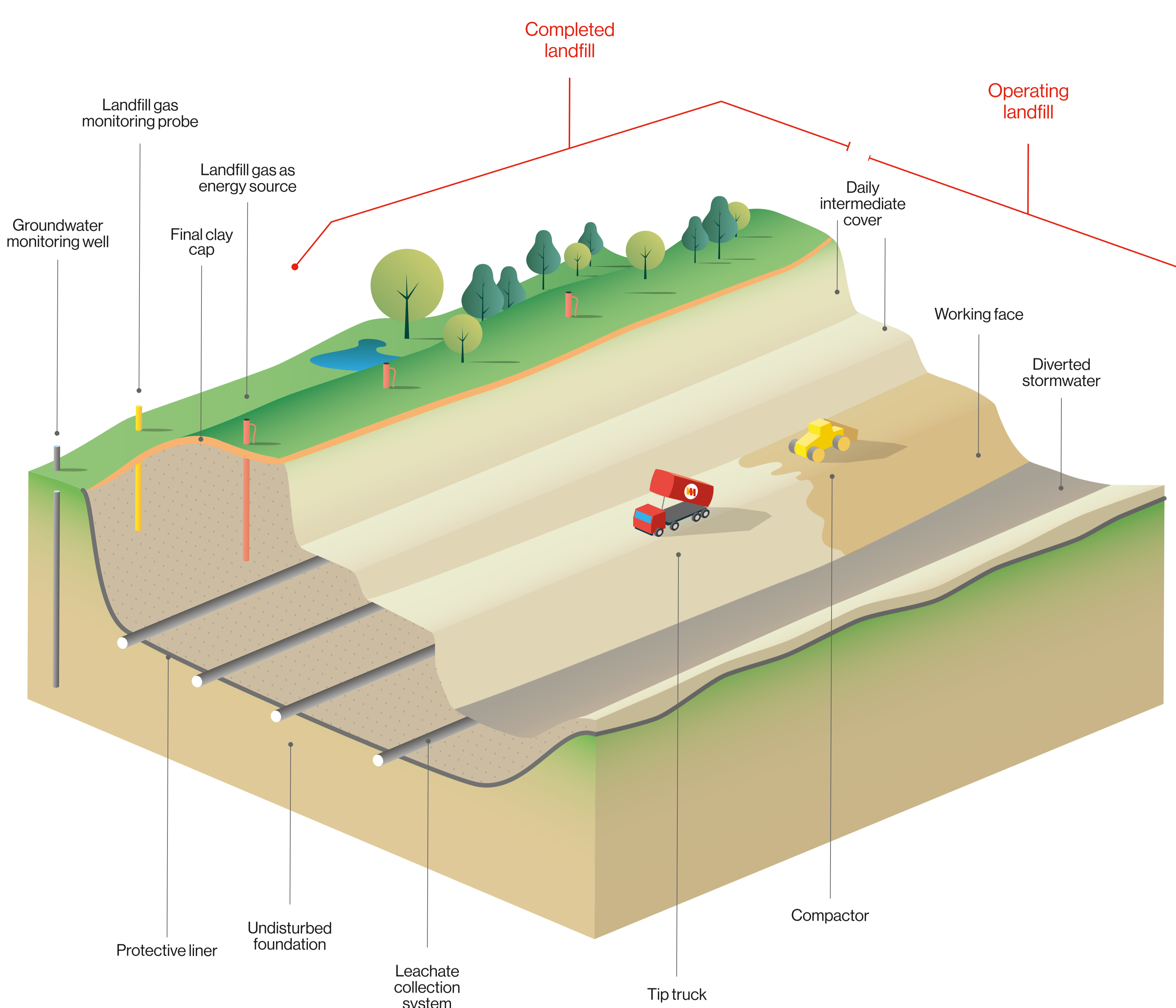


How a modern landfill works

Unlike the landfills of the 1980s, a modern landfill and green energy centre is a high-tech facility which captures methane gas to generate electricity whilst protecting the natural environment.



Redvale Landfill and Energy Park statistics

95%
Gas capture efficiency

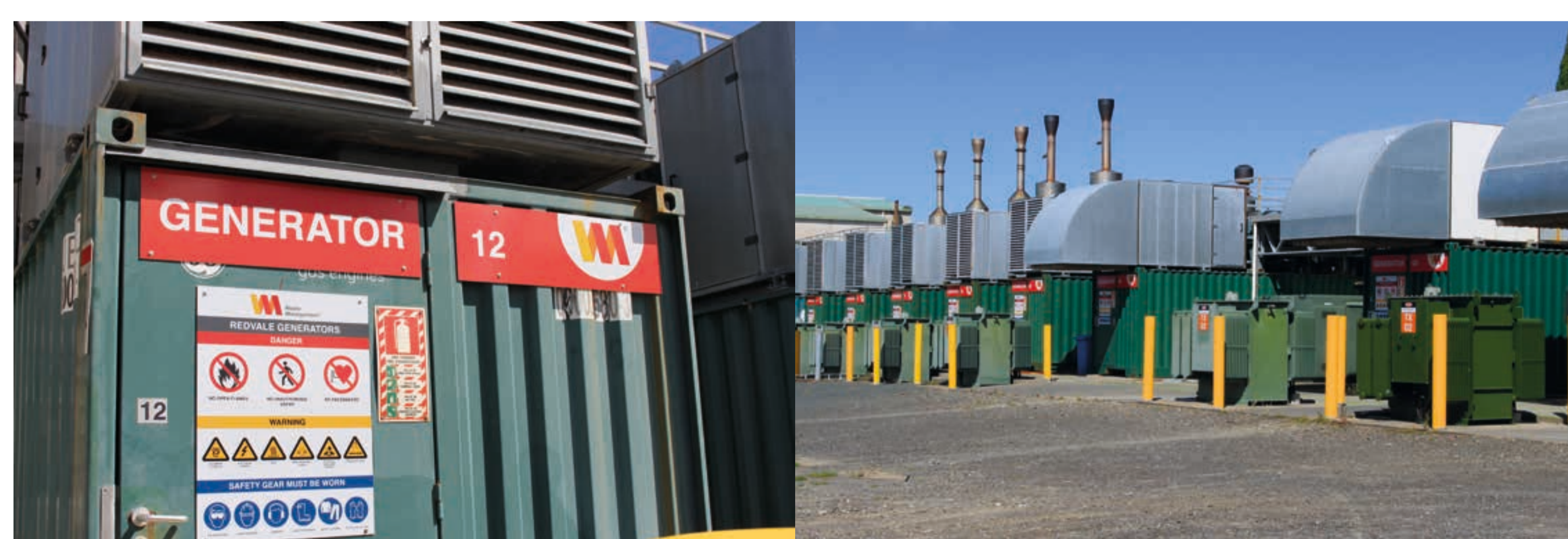
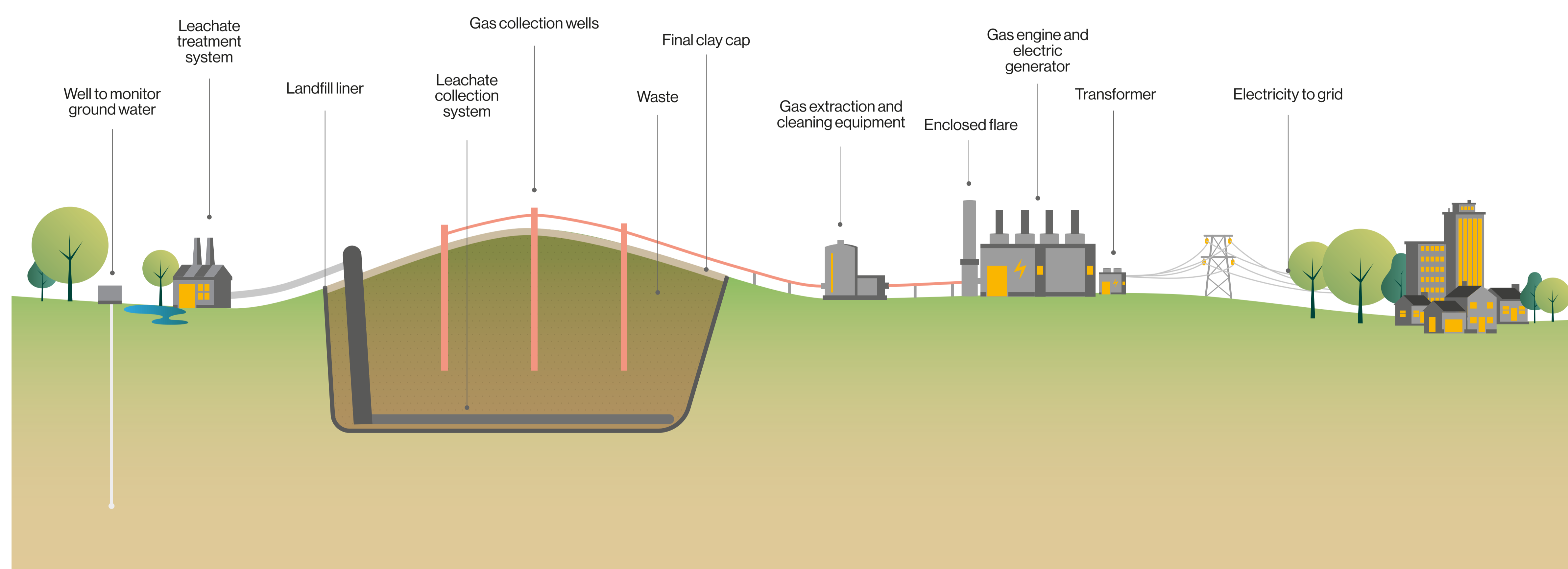
Currently generates enough electricity to power

12,000
Homes per year

100%
Percentage of leachate captured

Key components of a modern landfill include:

1. Lining system that captures all liquid from the waste (called leachate)
2. Leachate treatment plant to take care of this by-product
3. Gas wells to capture methane gas
4. Generators to turn gas into renewable electricity
5. Cover (capping) to contain all waste
6. 24/7 monitoring for efficiency, safety and compliance
7. Transformer to transfer electricity to the national grid



Redvale Landfill and Energy Park Generators



For updates about the proposed Auckland Regional Landfill visit wastemanagement.co.nz/arl

Questions? Call **0800 927 837** or email arl@wastemanagement.co.nz