

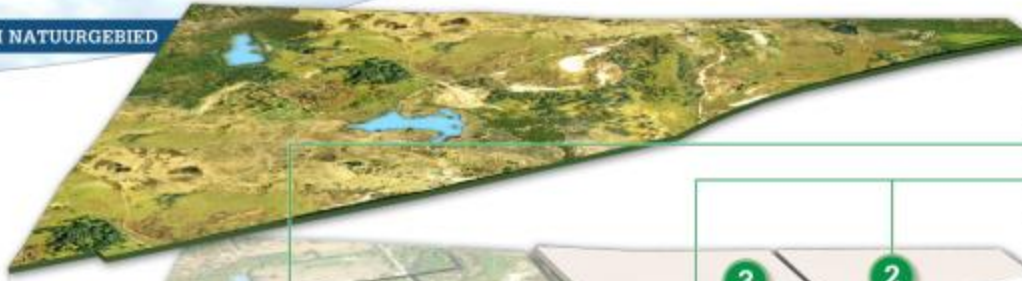
Closing the Circle project goal: restore entire area as sustainable nature



GROUP
MACHIELS

CLOSING THE CIRCLE • ENHANCED LAND FILL MINING

C. DUURZAAM NATUURGEBIED



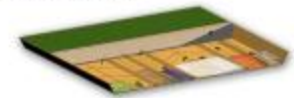
B. CLOSING THE CIRCLE



A. ACTUELE SITUATIE



1 FASE I:
Tijdelijke opslag



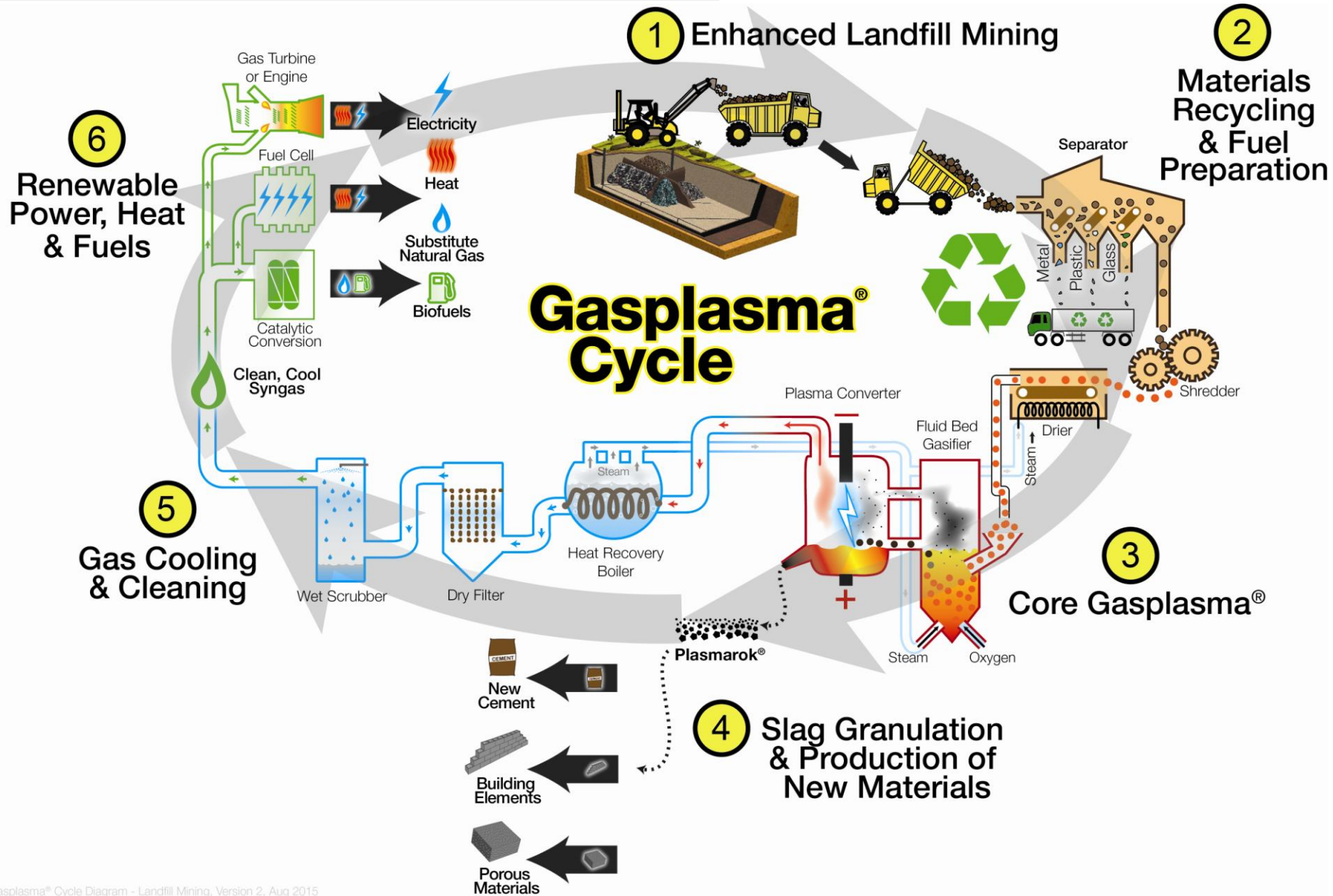
2 ZONE VOOR INSTALLATIES:
FASE II plasma demonstratie installatie
en FASE III full scale closing the circle
(uitbreiding u1 en u2)



3 FASE III:
Zone voor finale opslag

A ANORGANISCHE OPSLAG
O ORGANISCHE OPSLAG

Closing the Circle technology chain



Existing hydrogen applications



Closing the Circle demonstration plant

2. RDF preparation

4. Syngas upcycling to hydrogen

6. Hydrogen distribution and fuelling stations

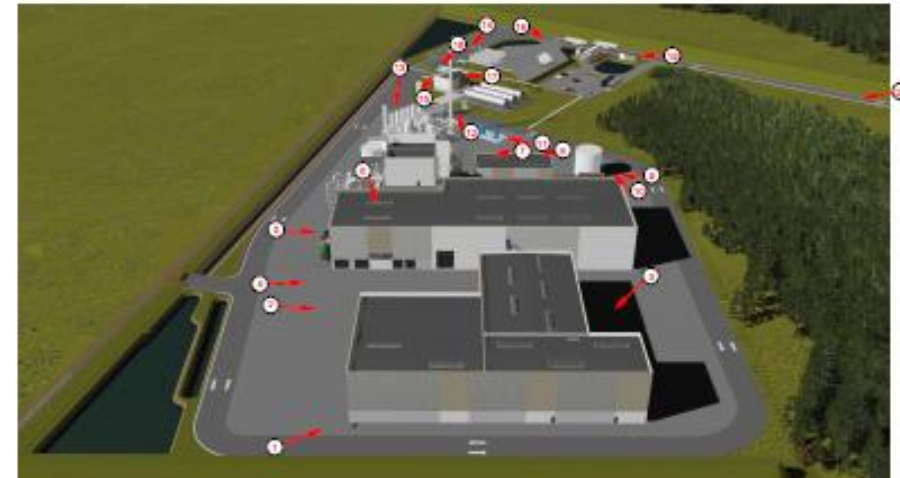
3. Plasma gasification installation

5. Pressurize and store hydrogen

1. Sorting of mined waste

Line	Sheet	Height
(#)	#	(diameter in)
766	8190	17.0
1980	17885	17.0
221	7921	17.0
9641	17891	17.0
9623	29861	17.0

Closing the Circle demonstration plant



Early Warning systeem

VITO

