

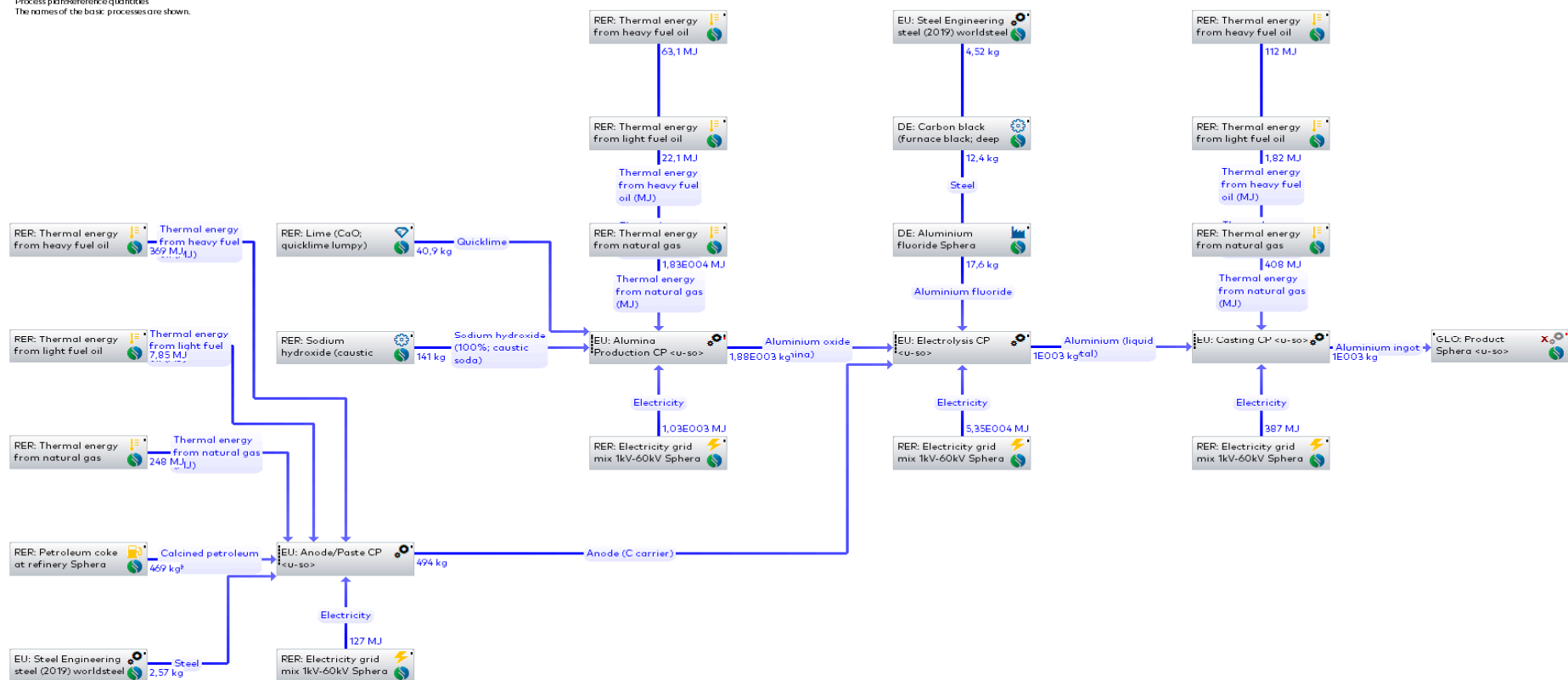
*Supplementary Material*

# **LCA analysis decarbonisation potential of aluminium primary production by applying Hydrogen and CCUS technologies**

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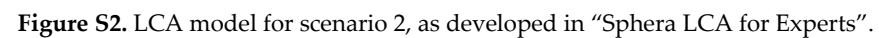
Figures S1-S4 present the LCA models for the four scenarios, developed in the commercial software package “Sphera LCA for Experts”.

The names of the basic processes are shown.



**Figure S1.** LCA model for scenario 1, as developed in “Sphera LCA for Experts”.

The names of the basic processes are shown.



### Primary Aluminium Production - Scenario 3

Process plant reference quantities  
The names of the basic processes are shown.

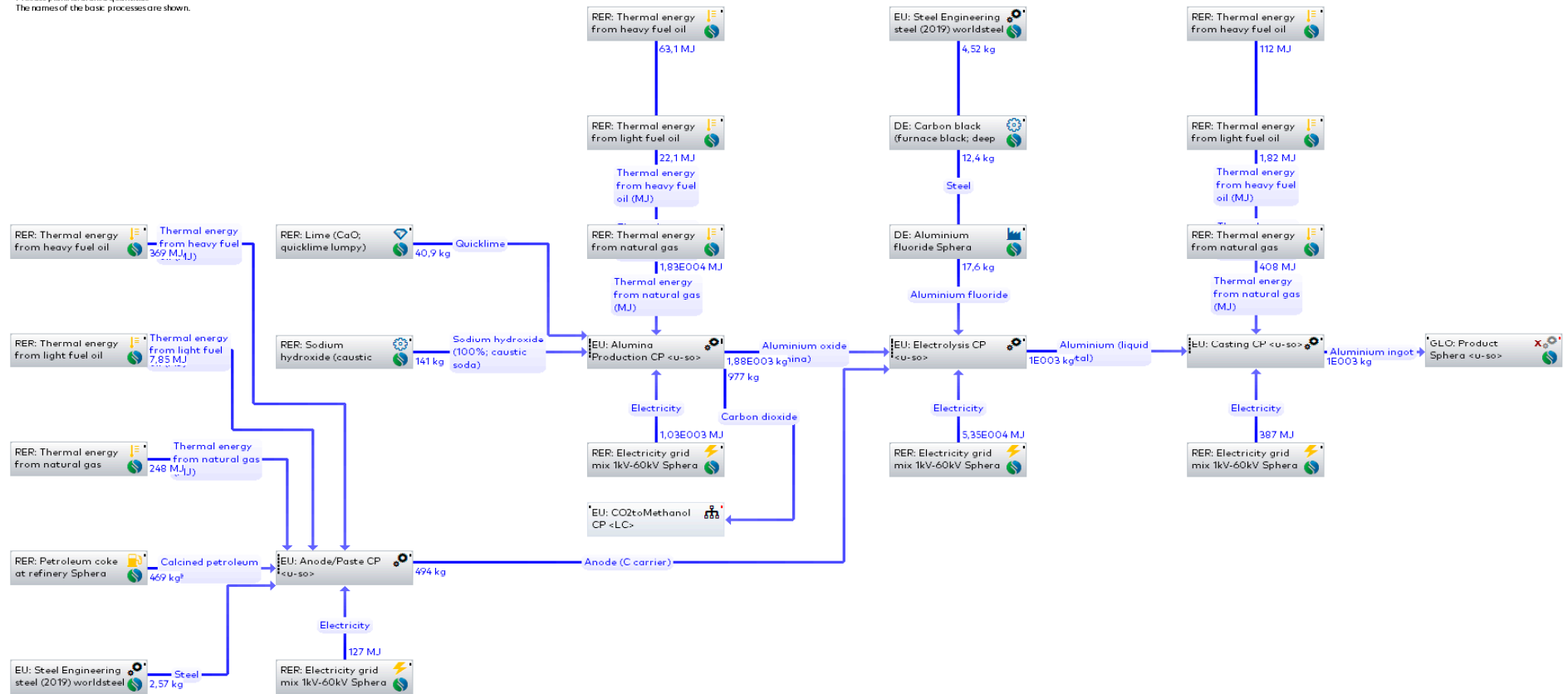
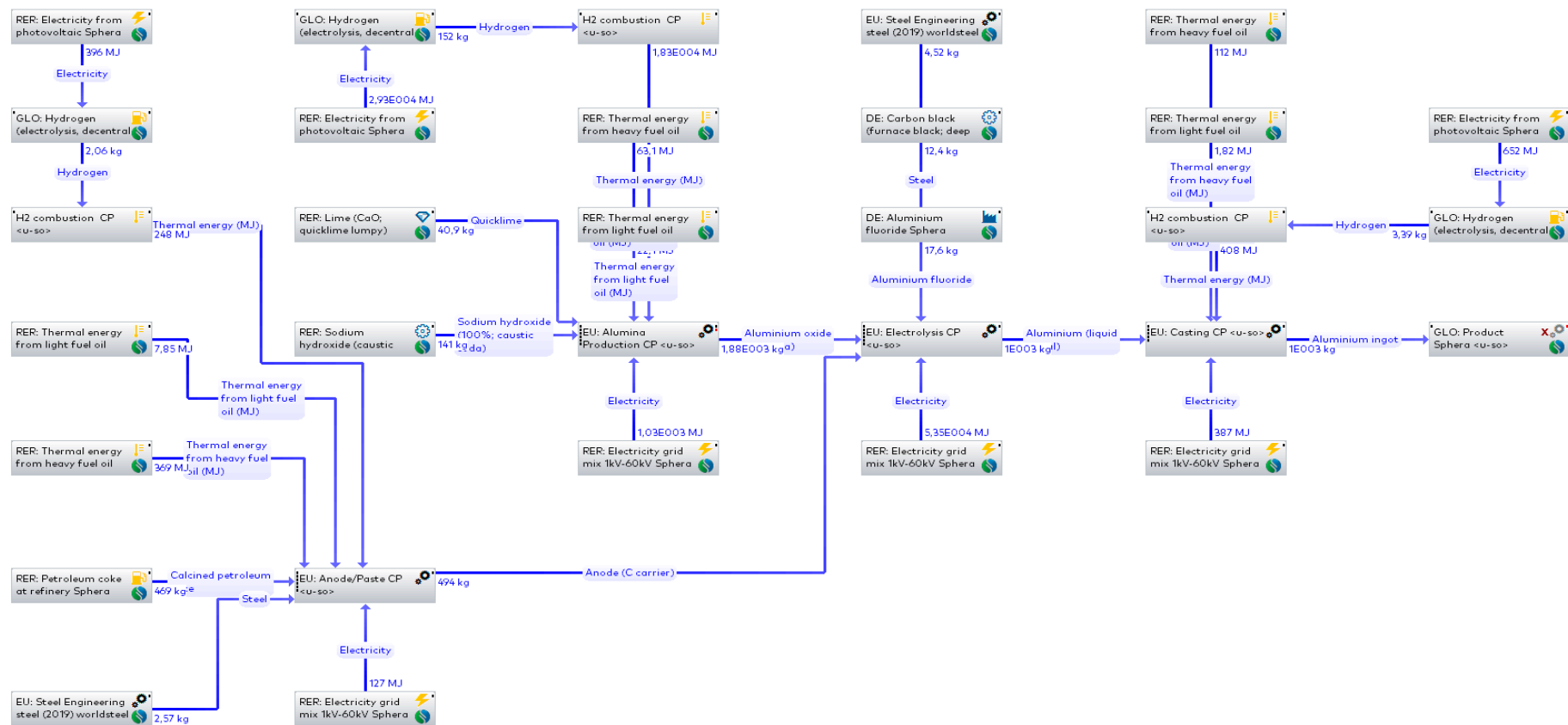


Figure S3. LCA model for scenario 3, as developed in “Sphera LCA for Experts”.

The names of the basic processes are shown.



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