

Assignment for Module 2: GHG emissions

You've heard a lot about GHG accounting and Scopes 1, 2 & 3 in this module.

Here's your assignment for this week:

Take the first step to categorise your factory's GHG emissions under Scope 1, Scope 2, and Scope 3 emissions

1. Try to identify Scope 1 and 2 emissions of your factories. You can start by thinking about all the processes that consume electricity or fuels within your factories. Make a list of the 10 most energy-intensive processes within the factories and then try to allocate them to the right category.

Fuels: natural gas (for boilers), LPG, diesel (for generators), coal, wood etc.; petrol (for company owned vehicles) → Scope 1 emissions (direct emissions)

Refrigerants: Air conditioning → Scope 1 emissions (direct emissions)

Purchased energy: electricity from grid provider, steam from provider etc. → Scope 2 emissions (indirect emissions)

2. Create a table to list your findings:

#	Activity	Equipment	Emission source	Scope	Emission source description
1	Steam production	Boiler	Fuel	1	Natural gas boiler
2	Lighting	Light bulbs	Electricity	2	Electricity from the local grid
3	Ironing & pressing	Industrial iron	Electricity	2	Electric iron machine
4	Steam production	Boiler	Renewables	3	Solar boiler

*Note: The content on the table above is just an example.

As mentioned in the beginning, please allocate 1-2 hours to complete the assignment during your training week.