

formico® biorefining technologies

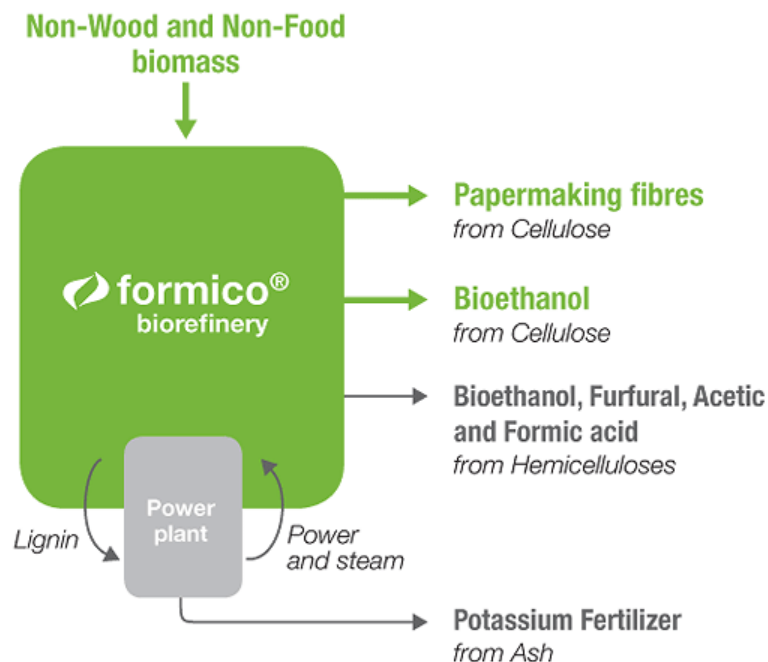


formico® 3G biorefining technologies stand for a multi-product platform, which generates higher sales revenues with lower investment and operation costs

Our **formico®** processes have been developed for biorefining non-wood and non-food materials. By using a new type of biosolvent, they overcome the challenges typically faced by other technologies.

Multiple advantages with Chempolis' **formico®** family of technologies:

- Uses residues generated as part of food production, eliminating the need to harvest timber and deplete forest resources
- Is self-sufficient in energy and CO₂-neutral
- Has a minimal water consumption
- Uses no harmful substances, such as chlorine or sulphur compounds
- Recycles all process chemicals and water
- Produces no effluents, and
- Results in end-products that are recyclable and biodegradable



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The competitive edge of Chempolis 3G biorefining technology platform when compared to 1G and 2G technologies is that it enables production of multiple value-added products from renewable raw materials. Chempolis 3G biorefining technologies are effluent-free, self-sufficient in terms of energy, and produce no CO₂ or sulphuric emissions. Biomass is selectively fractionated with a recyclable biosolvent while all the biomass components are processed into valuable products.

Chempolis Ltd. 3G **formico**® biorefining technologies provide profitable, sustainable and cost-effective solutions for the biomass, alcohol & beverage, paper, oil, sugar, palm oil, and chemical industries to refine biomass into high-quality products while minimizing environmental impact and maximizing social benefits.