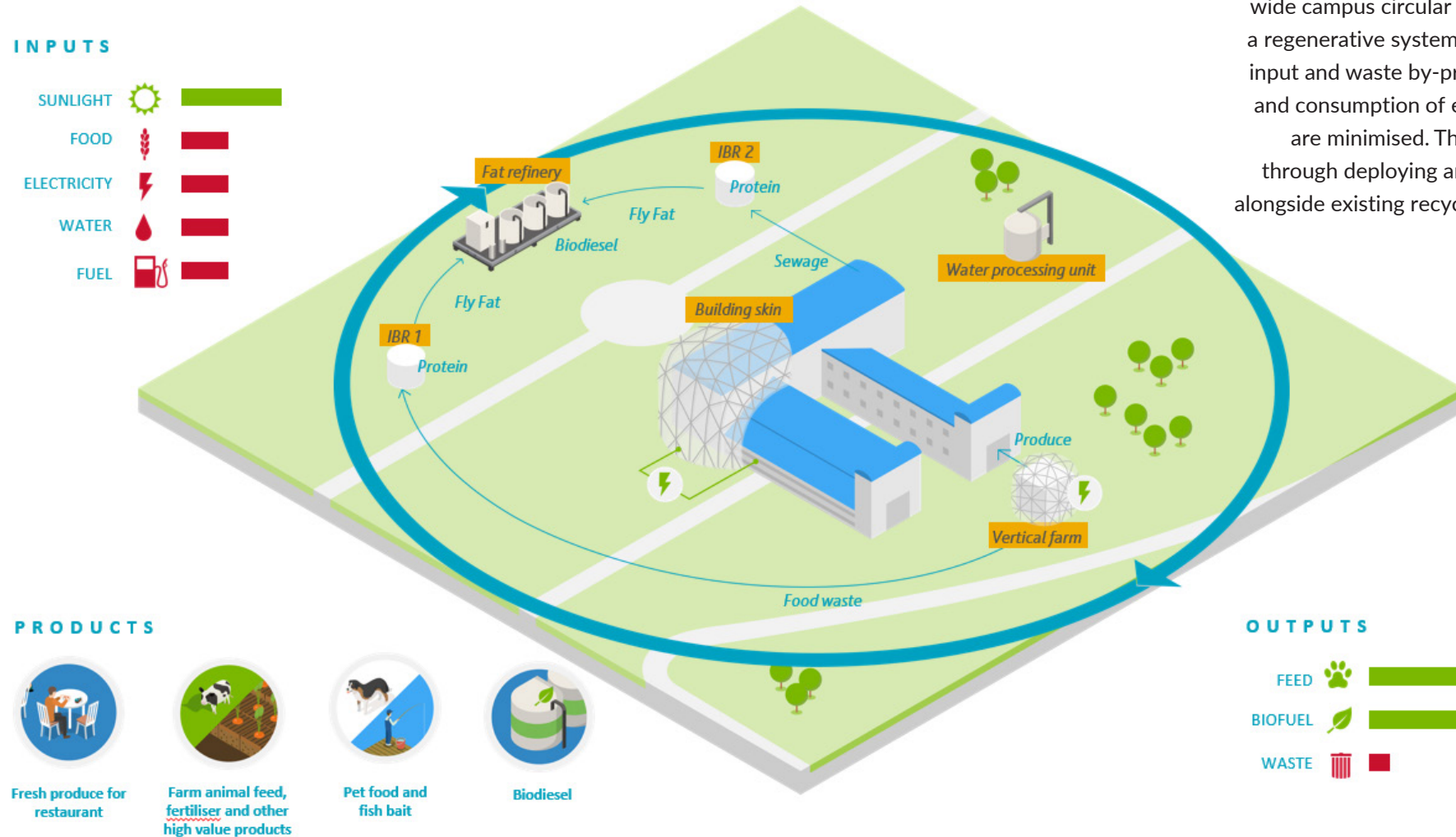


Circular economy



The below illustrates the potential for combining insect technologies into a site wide campus circular economy, creating a regenerative system in which resource input and waste by-products, emissions, and consumption of energy and utilities are minimised. This can be achieved through deploying an insect bioreactor alongside existing recycling and upcycling technologies.

The current legislative landscape limits development of the insect farming business model; Regulation No. 2017/893, adopted by the EC, May 2017 authorised the use of insect proteins (processed animal proteins [PAP]) originating from seven insect species (including BSF) in feed for aquaculture animals. Only feedstuffs currently approved for animal feed are permitted for insect rearing i.e. pre-consumer agri-food residues known as 'former food products' including out of specification food, potato chips or breakfast cereals; leftover dough and liquid chocolate, surplus bread collected from retailers and bakeries. Insect derived oil/fats can legally be used in any livestock feed