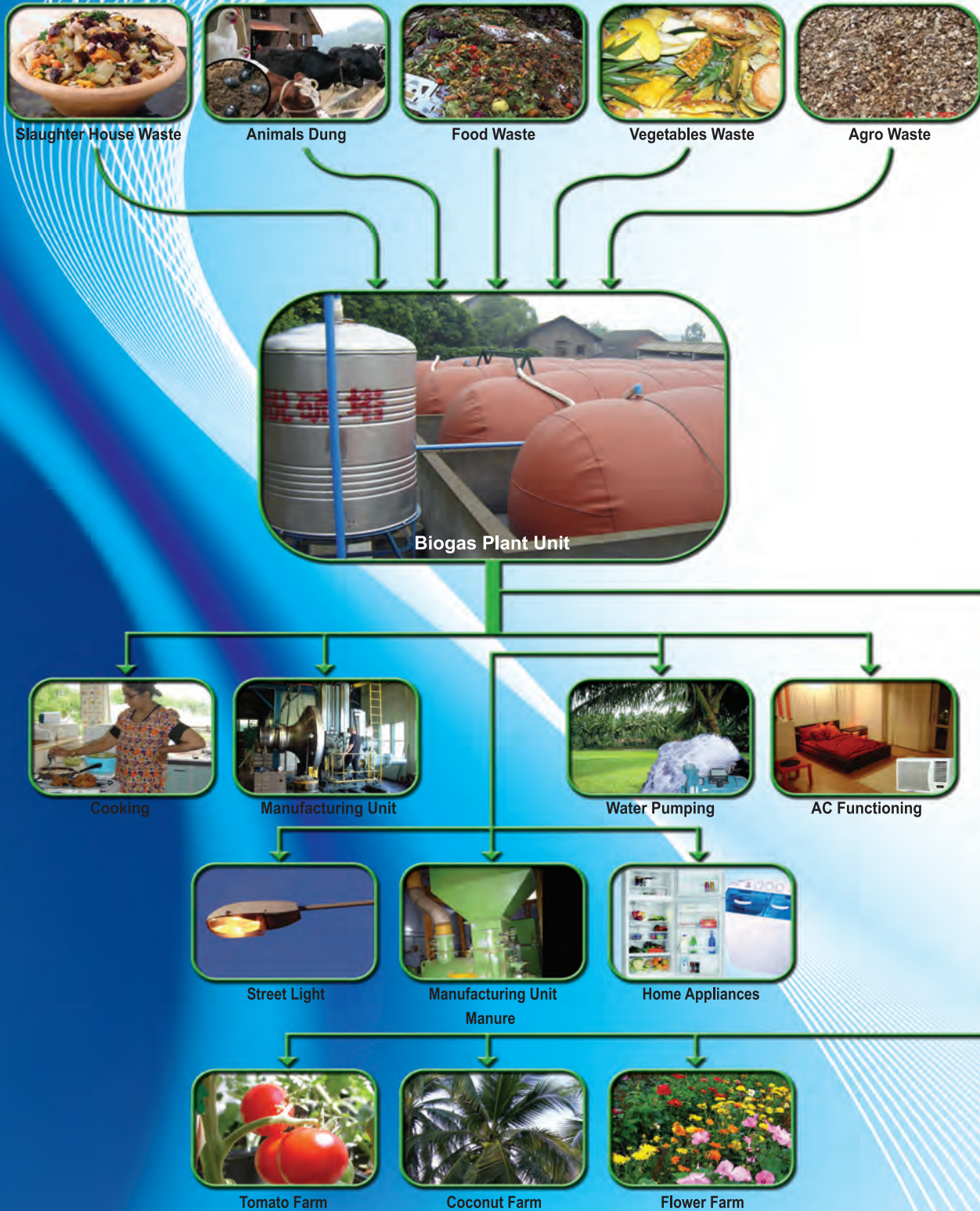


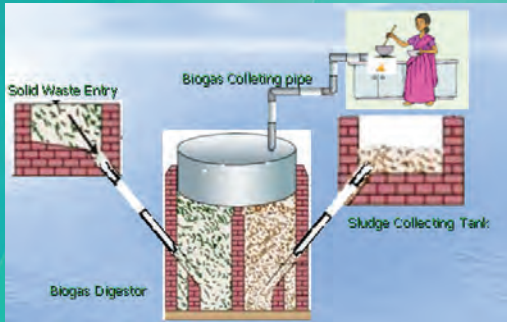
# Bio Energy Systems

## Energy from Waste

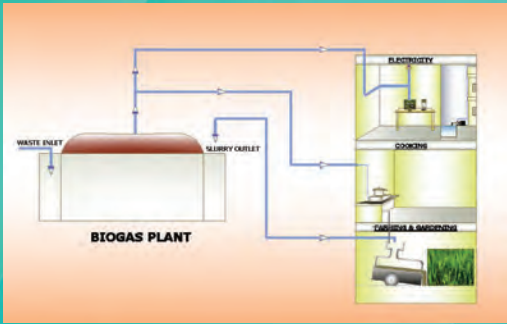


### Sources of Solid Waste

- Food waste.
- Kitchen Waste.
- Agricultural Products or other energy crops.
- Agricultural bi products such as manure, crop residues etc.
- Slaughter waste.
- Wash water from Milk industries, Food industries etc.



Typical Domestic Biogas Plant



## Solid Waste Management Planning

Local or regional solid waste management plans are essential to optimize area-wise solid waste operations. Dowac has experienced in putting of bio gas plant for different applications. Depending on the type of waste materials available, bio gas plant can be designed suitable to the above. We have portable and modular bio gas plants made of synthetic material. The advantages are:

- Easy to handle
- Easy for installation
- Less time required
- Guaranteed product quality

### Additional Sources of solid waste

- Septage
- Municipal or industrial organic sludge
- Municipal solid waste including source separated organics
- The above inputs can be used with main inputs on 25% basis

### Facts About Biogas

- Biogas is eco friendly
- Biogas produces 80% less hydrocarbon emissions in comparison with diesel
- Biogas is a renewable energy source
- Biogas for heating application is simplest
- Biogas can be used as vehicle fuel if it is upgraded

### Why We need a biogas plant

- Zero discharge in your premises
- Helping to prevent Solid waste Pollution
- To avoid all other pollution's like microbial Air pollution
- Re use of the sludge for Plants and gardening there by providing green environment
- Creation of Green zone Belts

### Advantages at a glance

- Obtain renewable energy and profit from the legally specified commission
- Reduce organic waste and convert it into high quality liquid fertilizer and valuable compost
- Emission reduction
- Generation of soil improvement substances
- Optimization of dissemination of nutrients
- Self dependant for Safe disposal @ negligible cost

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