

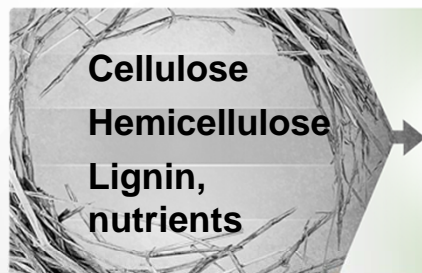
# Chempolis Ltd formico 3G biorefining

**Dr Heli Antila, Chairman of board**

# Chempolis 3G formico® platform

Selective fractionation  
based on formic acid biosolvent

**Any non-food biomass raw material**  
(Straws, bamboo, bagasse, stems,  
stalks, wood, residues etc.)



## Cellulose Products

- Packaging or paper fibres
- Textile & special fibres
- Glucose, Ethanol



## Hemicellulose Products

- Furfural, Ethanol
- Sugars, platform chemicals



## Lignin Products

- Sulfur-free Lignin
- Solid biofuel, Biocoal
- Nutrients



# Key facts, Chempolis pilot biorefinery

- Built & operating since 2008
- Typical trial materials few tons
- 85 equipment, 70 tanks and 80 pumps
- Full-scale automated process from any raw material to all finished products

## KEY BENEFITS & PERFORMANCE

- Excellent flexibility with regard to raw materials & end products
- Superior yield vs 2G
- Higher profitability vs 2G
- Lower CAPEX & OPEX
- Effluent-free & Sulfur-free
- Surplus energy

