



EERC

EERC Technology... Putting Research into Practice

Commercializing New Technology: EERC Microgasification

**Local Energy/Local
Opportunities, CERTs**

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Business Mission

Become the leader in providing energy solutions for commercial and industrial clients that have simultaneous waste disposal and cogeneration requirements.

Provide:

- Turnkey gasification systems
- Core competence in gasification technology
- Full service, including air-permitting and grid-interconnect



Build on EERC 50+ years Experience and Team to Execute Business Strategy

Vacant, Chief Executive Officer

Darren Schmidt, Chief Operating Officer

- EERC Research Manager for biomass gasification systems.
- Professional Mechanical Engineer with 12 years of successful research, procurement, and management.

•Carsten Heide, Chief Strategy Advisor

- EERC Deputy Associate Director for Intellectual Property Management and Technology Commercialization.
- Previously with The Boston Consulting Group.

•Phil Hutton, Senior Development Manager

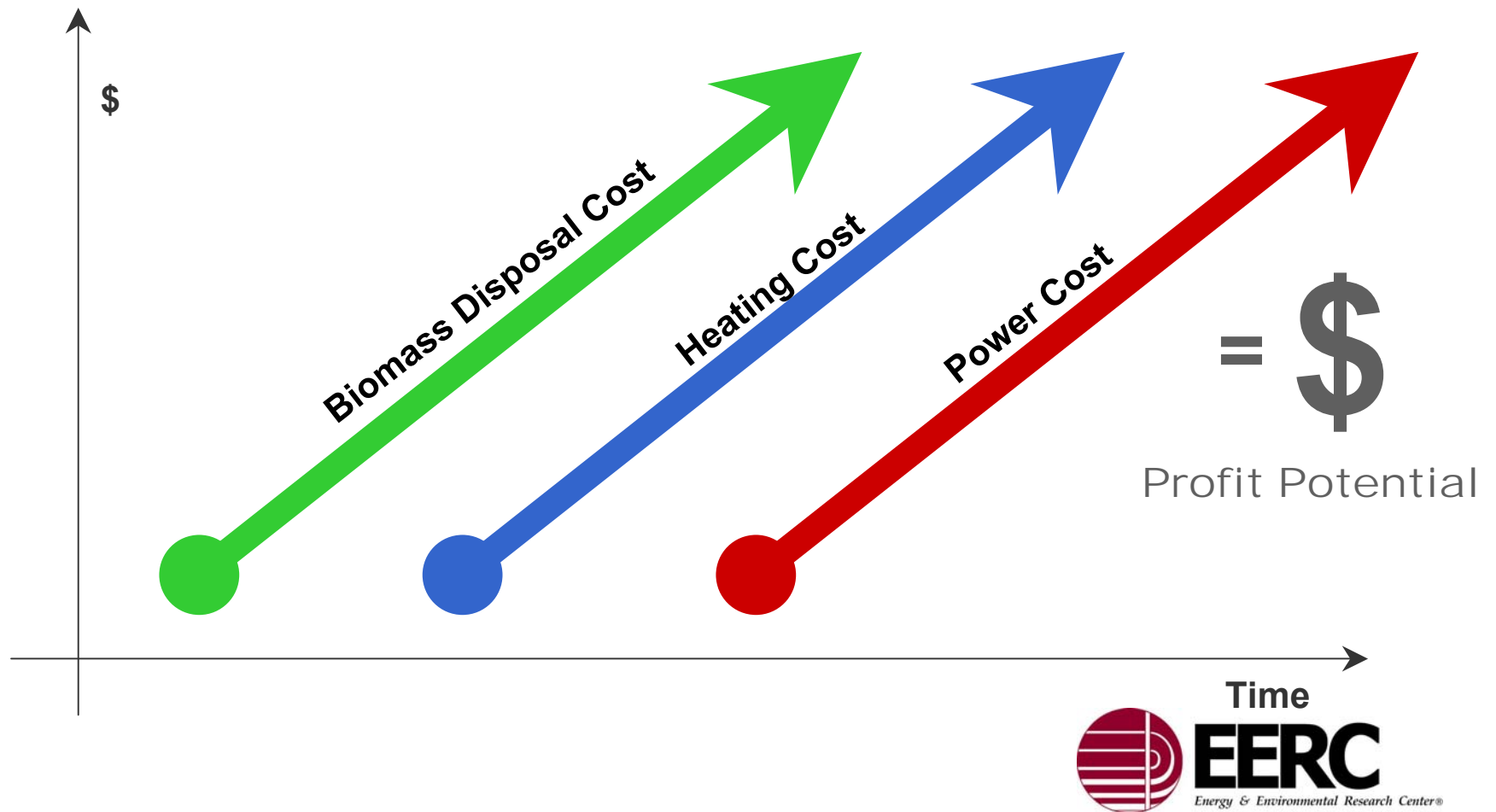
- EERC Research Manager in Energy Conversion Systems; 6 years of experience in biomass gasification.

•Nikhil Patel, Senior Research Manager

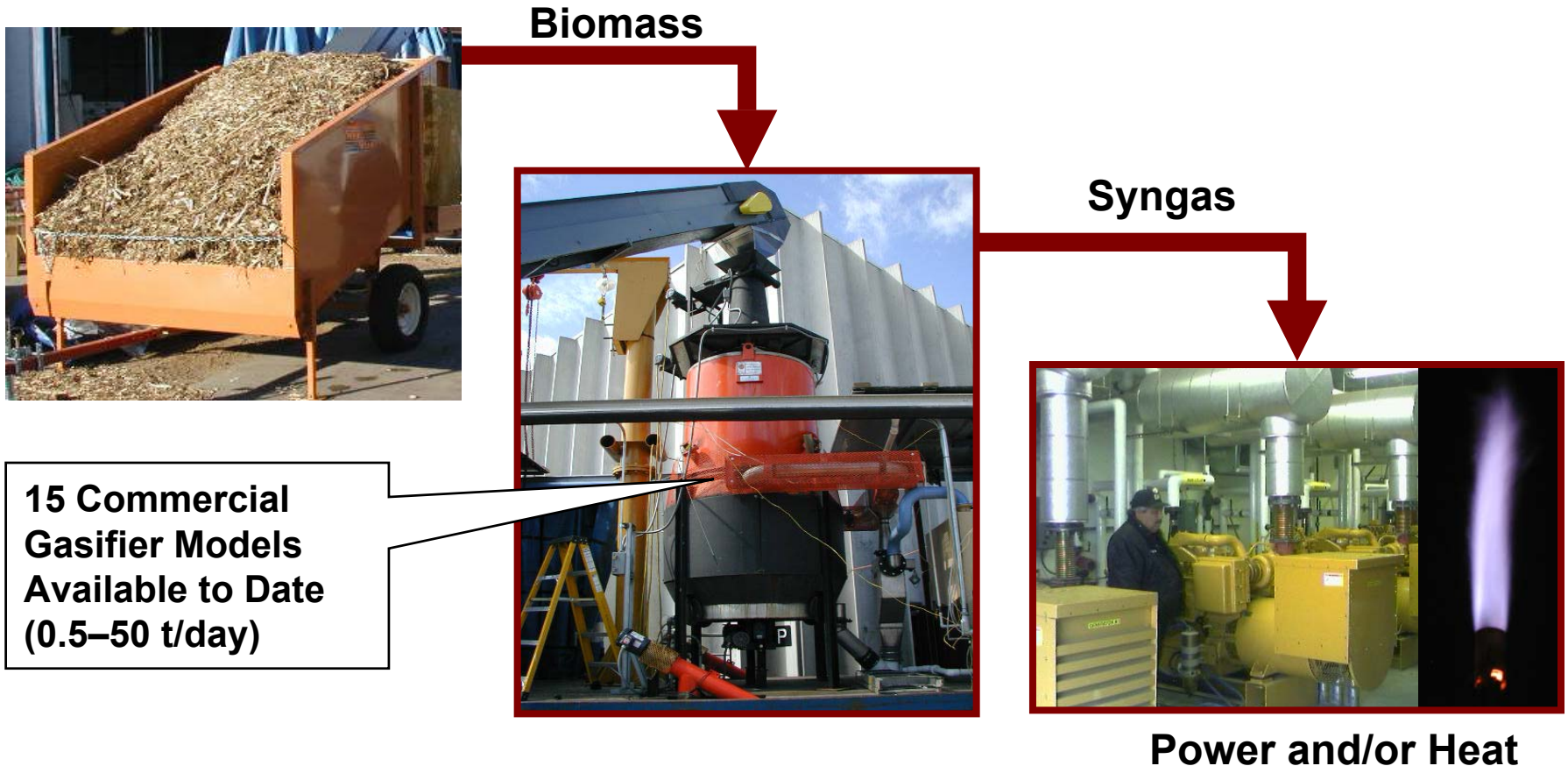
- EERC Research Scientist with 12 years of experience related to combustion and gasification of wood-based biomass and difficult-to-burn liquid and solid wastes.



Problem: Operating Costs Are Increasing for Waste Disposal, Heat, and Power



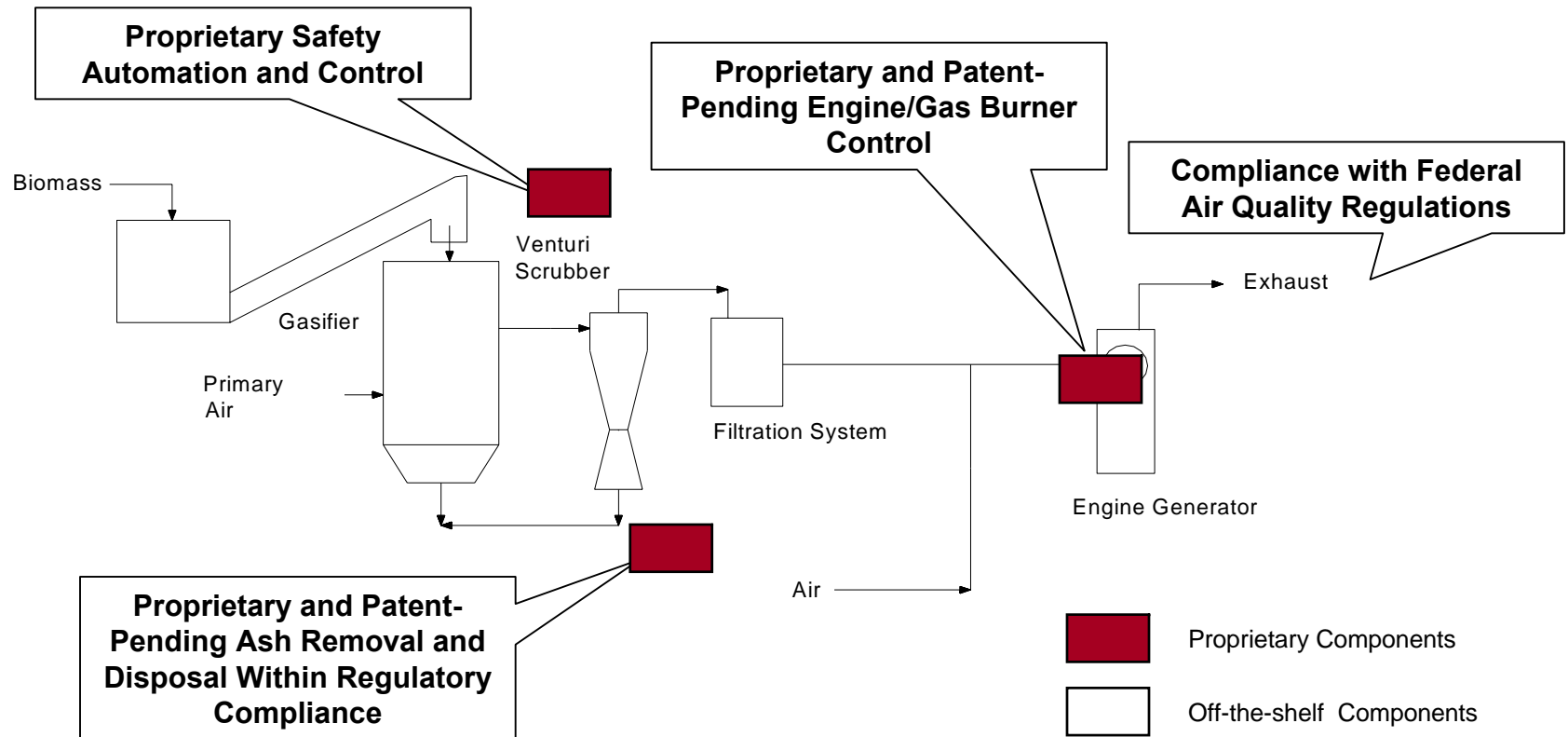
Solution: Commercially Viable Gasification Systems for Biomass Waste-to-Power



System delivery time including permit and grid interconnect is 6 months

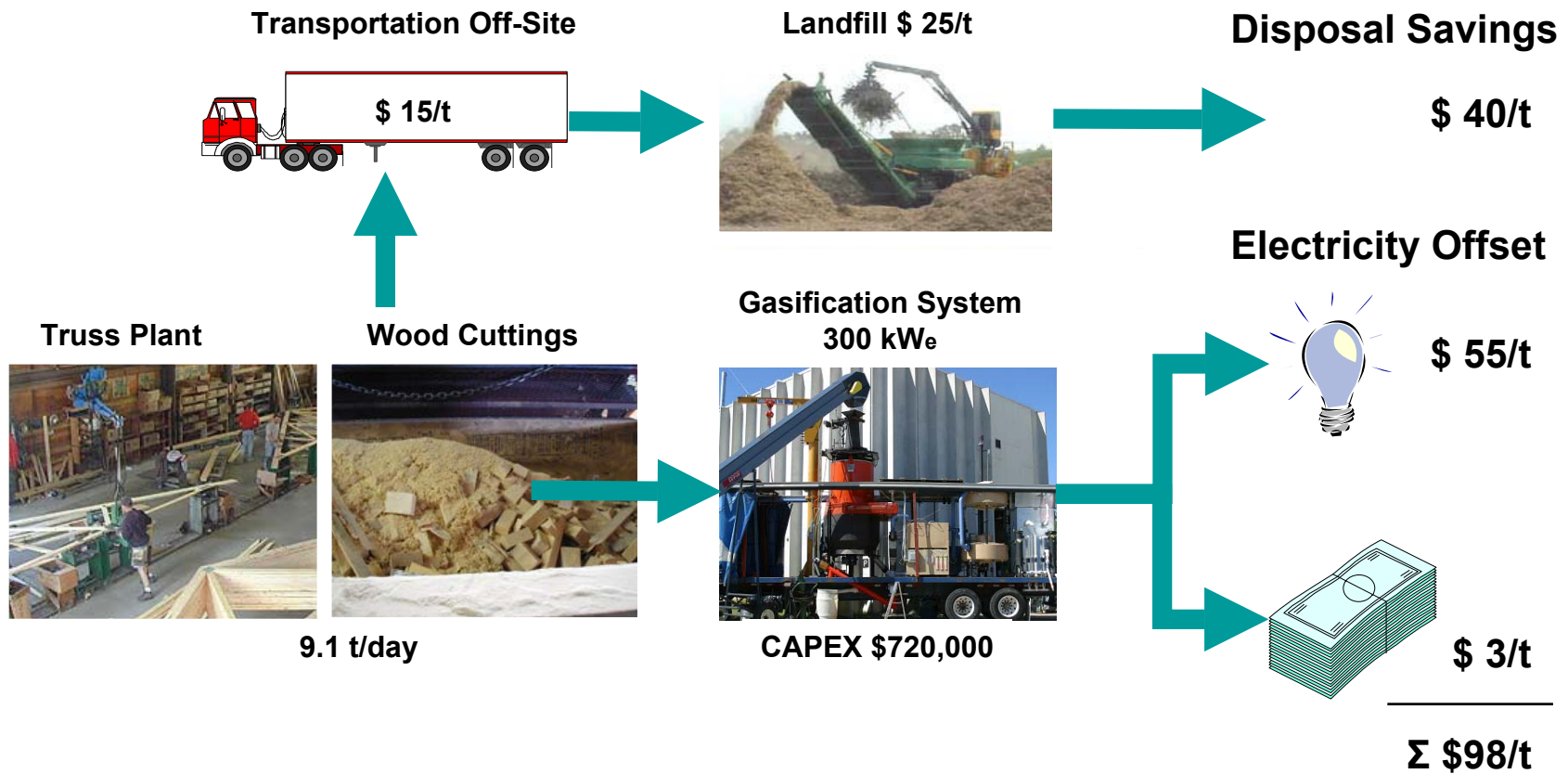
- Shipping 3 months; installation 3 months

EERC Combines Proprietary and Off-the-Shelf Components to Provide an Automated Package



Economical solutions for automation and robust solids and gas handling have not been achieved in the past.

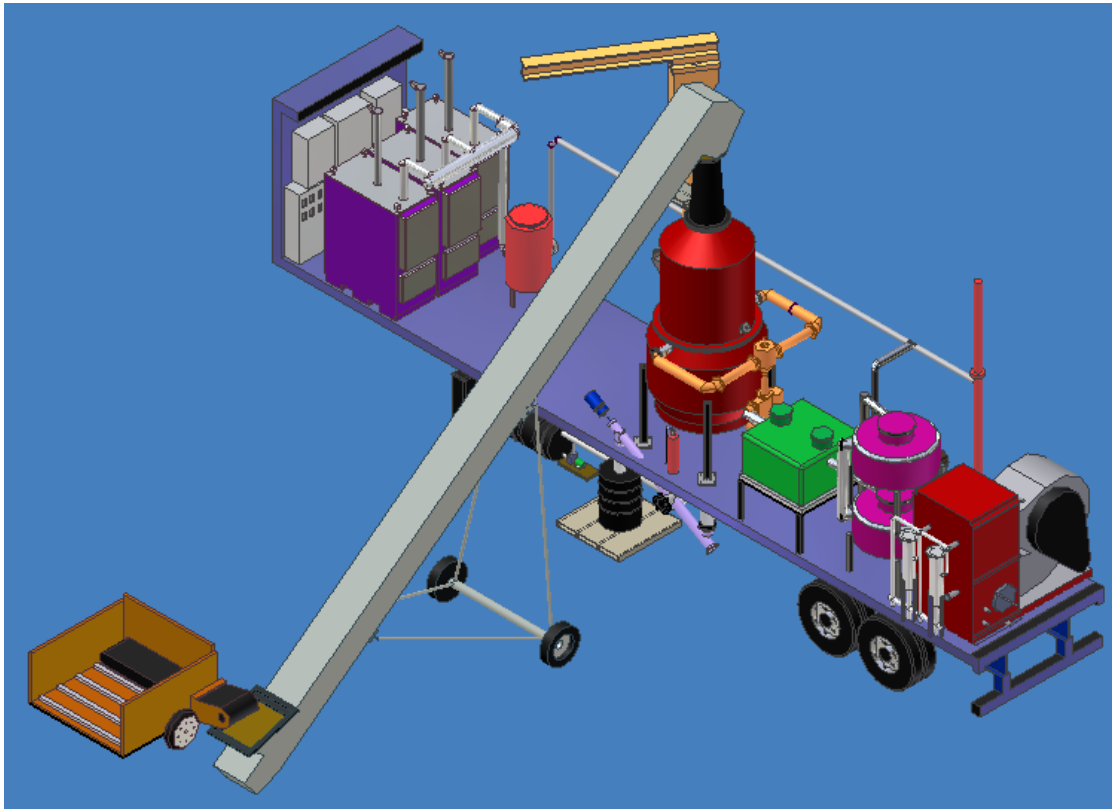
Example: Economics for a Las Vegas Building Materials Plant



Competition

Competitors	System	Major competitive advantage in...
CPC	Small-scale gasifier 0.5 t/day	Cost, gas cleanup robustness, fuel flexibility
Prime Energy	Mid-scale gasifier 100–500 t/day	Cost, availability, modularity
Chiptech	Biomass boiler system	Cost, gas cleanup robustness, maintenance
KARA	Small-scale gasifier 1 t/day	Cost, gas cleanup robustness, fuel flexibility
Xylowatt	Small-scale gasifier 1 t/day	Gas cleanup robustness, fuel flexibility, service

Portable Platforms & Future Potentials



- Mfg. Skid Plants
- Fuels Production
- Cost Competitive

- Contact
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