



Fluid LiftTM Gasification

Recover Energy.

Upcycle Solids.

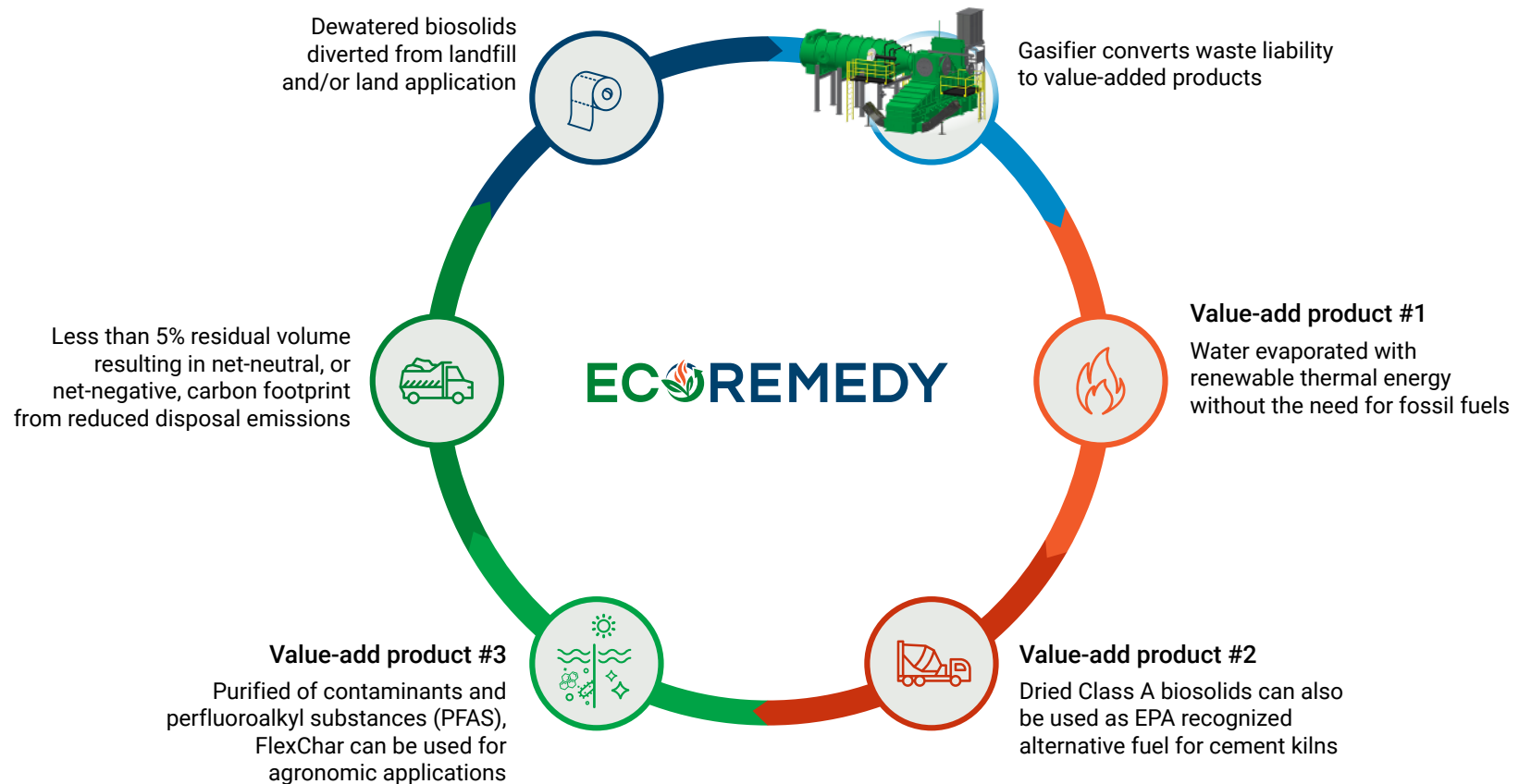
Stabilize Costs.

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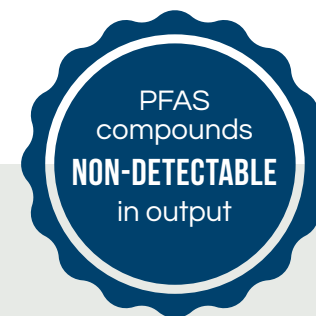
THE ECOREMEDY PROCESS

Ecoremedy® provides thermal drying of all incoming organic residuals using only thermal energy recovered from the biosolids. To provide flexibility for changing regulations and markets, recovered resources include dried Class A biosolids and variable carbon content FlexChar™ ranging from low carbon concentrated minerals to high carbon biochar.



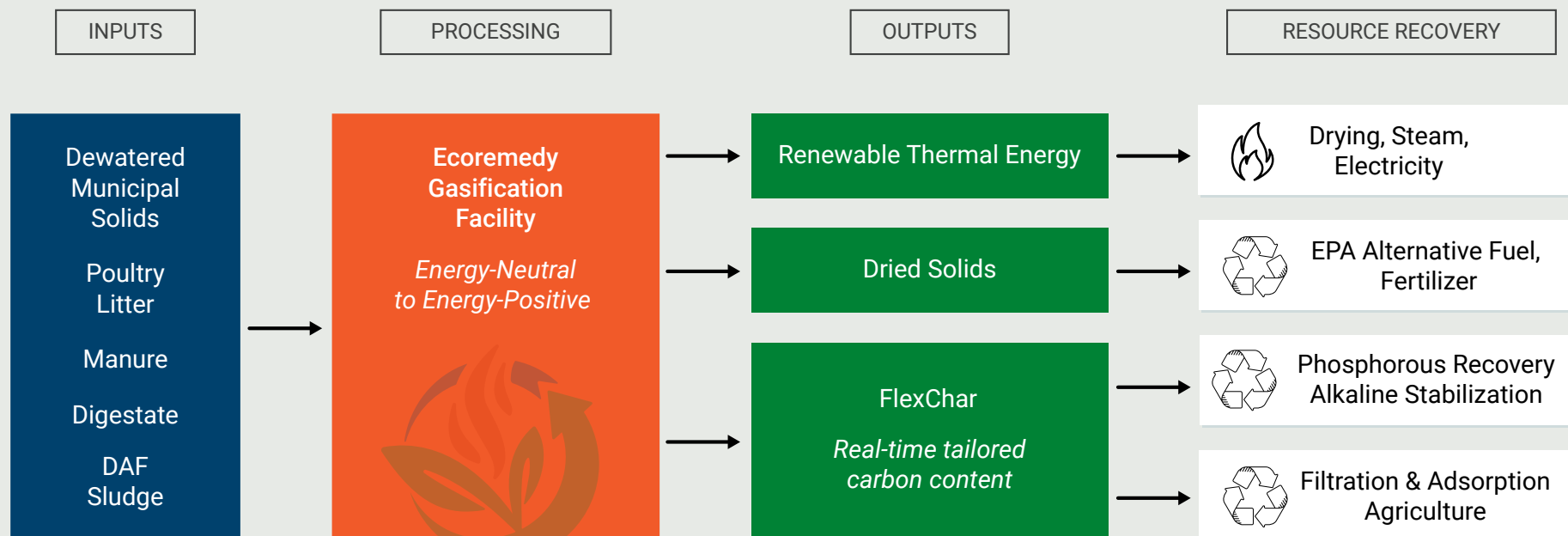
FLUID LIFT GASIFICATION

The Ecoremedy® Fluid Lift™ Gasification process is the world's most advanced platform for simultaneous gasification, minerals, and energy recovery from industrial residuals and municipal waste biosolids. Our proprietary design incorporates over 25 years of gasification and thermal oxidation reactor design with industry-standard components to produce a completely modular, scalable, and economical solution to the world's most challenging waste conversion and disposal issues. By adjusting residence times and oxygen levels in the gasifier, Ecoremedy offers the unique ability to balance energy recovery and the carbon content of FlexChar™ while destroying contaminants, microplastics, and PFAS to below detectable levels.



ECOREMEDY FLUID LIFT GASIFICATION PROCESS

Patent pending for process: USA, Australia/New Zealand, European Union (38), and Canada



ECR-742

Industrial-Scale Systems

Design capacity of up to 25,000 wet tons per year
(or 75 wet tons per day), including grit and screenings

Multiple ECR-742s can be installed in parallel to serve
larger cities and regional processing hubs

50' wide x 100' long x 25' tall standard horizontal
footprint, or can be custom engineered for vertical
layouts

Operational within 12 months of a purchase order

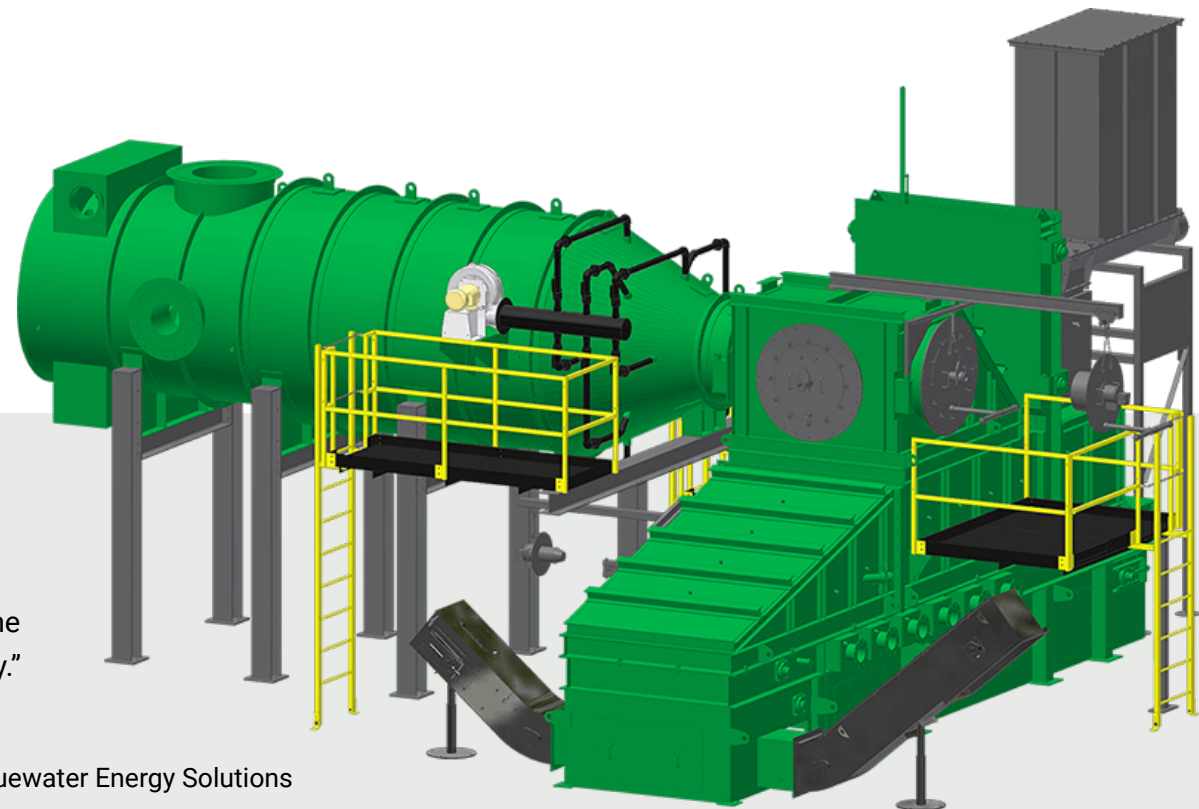
Minor Source air emissions in all states

Fully equipped tool room, laboratory, and critical
spares provided with all Ecoremedy® offerings



Featured Project

Morrisville Municipal Authority
Pennsylvania, USA



"The system is simple to construct, integrate into existing
industrial and agricultural applications and is easy to
operate and maintain. They have created a system that is
different and superior to the others who are trying to do the
same thing...It is a proven, commercially-viable technology."

KYLE MICHAEL

Northeast Regional Manager and Gasification, Consultant – Bluewater Energy Solutions

ECR-542

Mid-Sized Systems

Design capacity of up to 16,500 wet tons per year (or 54 wet tons per day), including grit and screenings

Arrangement can be custom engineered for vertical installation, 39' wide x 56' long x 40' tall depicted

Operational within 12 months of a purchase order

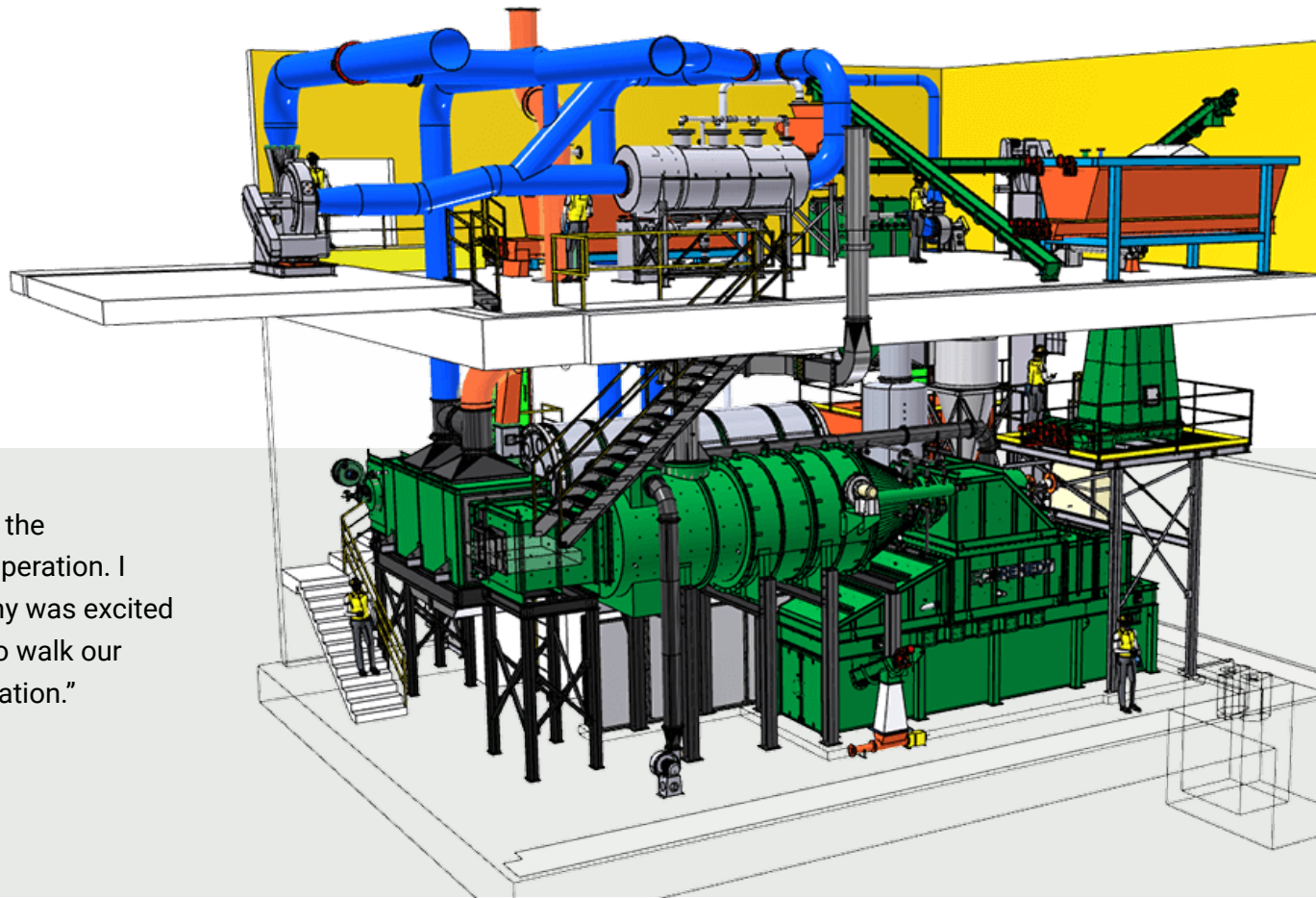
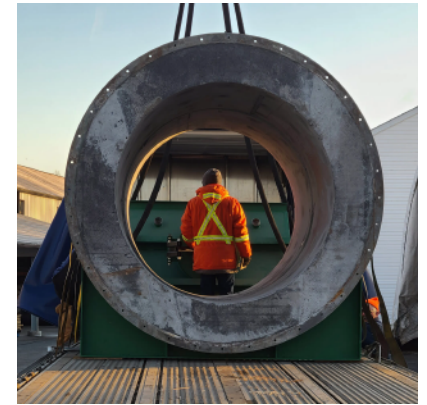
Minor Source air emissions in all states

Fully equipped tool room, laboratory, and critical spares provided with all Ecoremedy® offerings

"I was impressed with the operation in general, the cleanliness, the controls, and general ease of operation. I was also impressed with the operators. Anthony was excited about the project, knowledgeable, and willing to walk our Operations Lead through each step of the operation."

PAMELA RANDOLPH
WWTP Manager, City of Edmonds, WA

Featured Project
Edmonds Wastewater
Treatment Plant
Washington, USA



ECR-432

Pre-Fabricated Systems

Design capacity of up to 10,000 wet tons per year
(or 30 wet tons per day), including grit and screenings

Pre-engineered, pre-wired modules with minimal
construction cost

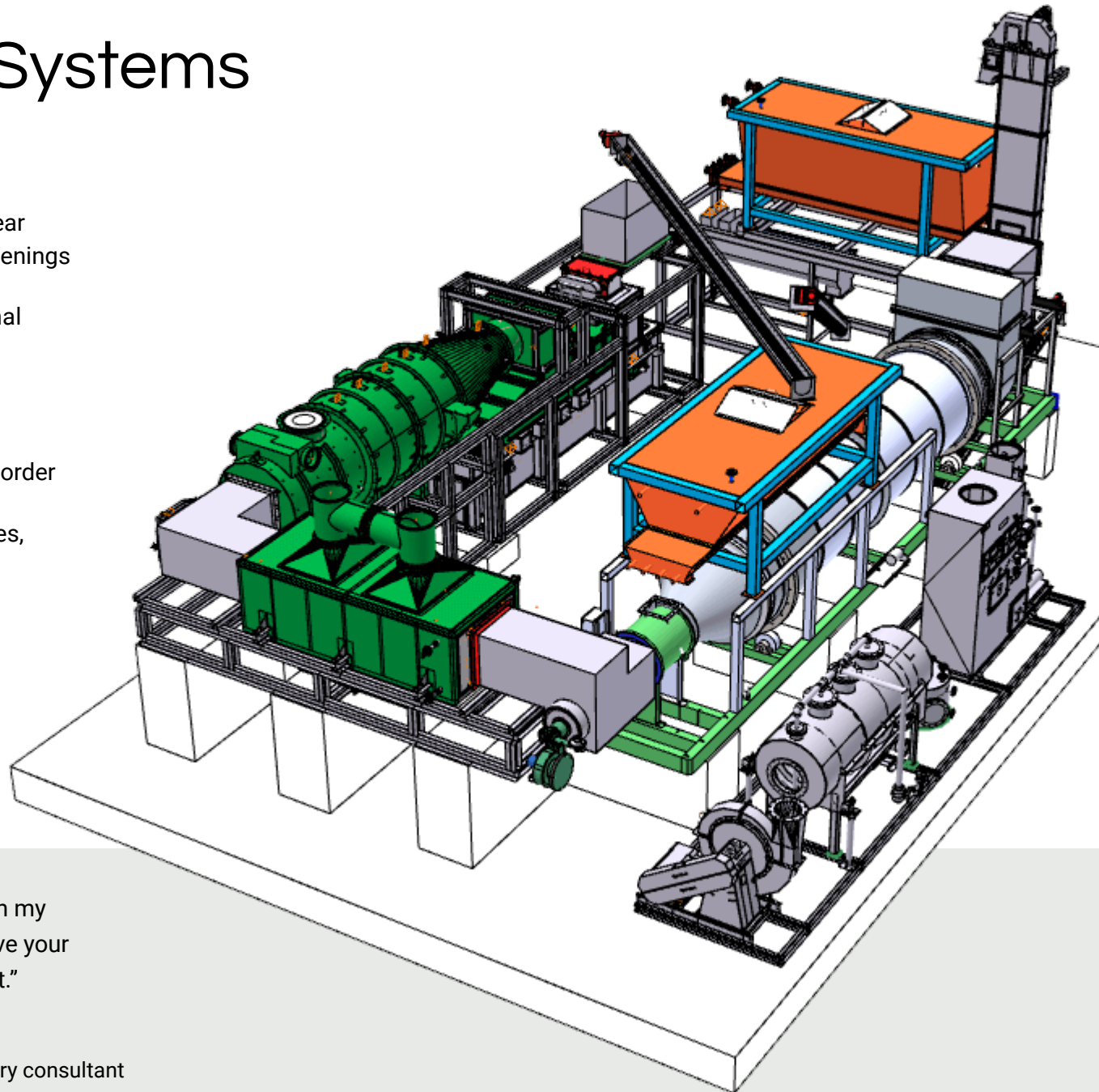
40' wide x 60' long x 25' tall standard footprint

Operational on-site within a year of a purchase order

Turnkey delivery with all critical parts and spares,
a control room, laboratory, and all tools
needed for O&M

De minimis air permit in many states

Fully equipped tool room, laboratory,
and critical spares provided with all
Ecoremedy® offerings



"I have experienced many pyrolysis processes in my
50 years of professional experience, and I believe your
Ecoremedy technology has the best handle on it."

WALTER S. SMITH

Author of EPA methods 1-8 and the F-factors, industry consultant

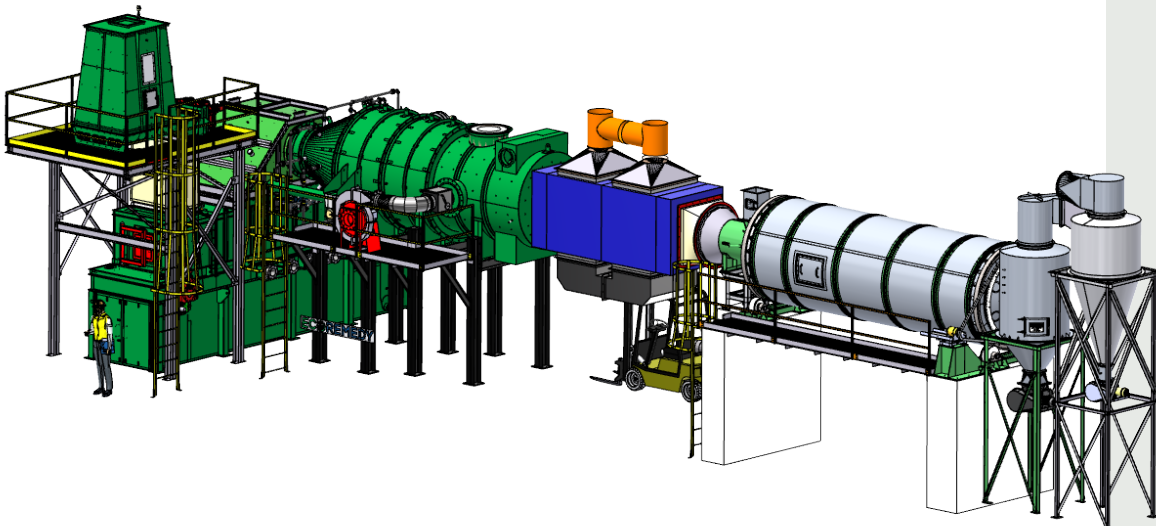


EPA Rules Ecoremedy® Fluid Lift™ Gasification is Not Incineration

“EPA concluded that the Ecoremedy gasifier unit as proposed would not combust sewage sludge as defined in the pertinent regulations and that the SSI NSPS would not apply to the biosolids gasification unit that is proposed for construction at the wastewater treatment facility of the City of Edmonds.”

PETER TSIRIGOTIS

Director of the EPA Office of Air and Radiation



ECOREMEDY

Recognized as
One of the top 4 sludge gasifier
companies in the world
by Global Water Intelligence



Proudly Made
in the USA



LIFT®

LIFT TECHNOLOGY SCAN
PROGRAM MEMBER