CHEM Group

Tolling and Separations

SOCMA Show
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chem-group.com

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Company Overview – CGH-EV, Inc.

1979

Troy, IN
Founded by
Dave Carson
MEG 2, LLC

1995

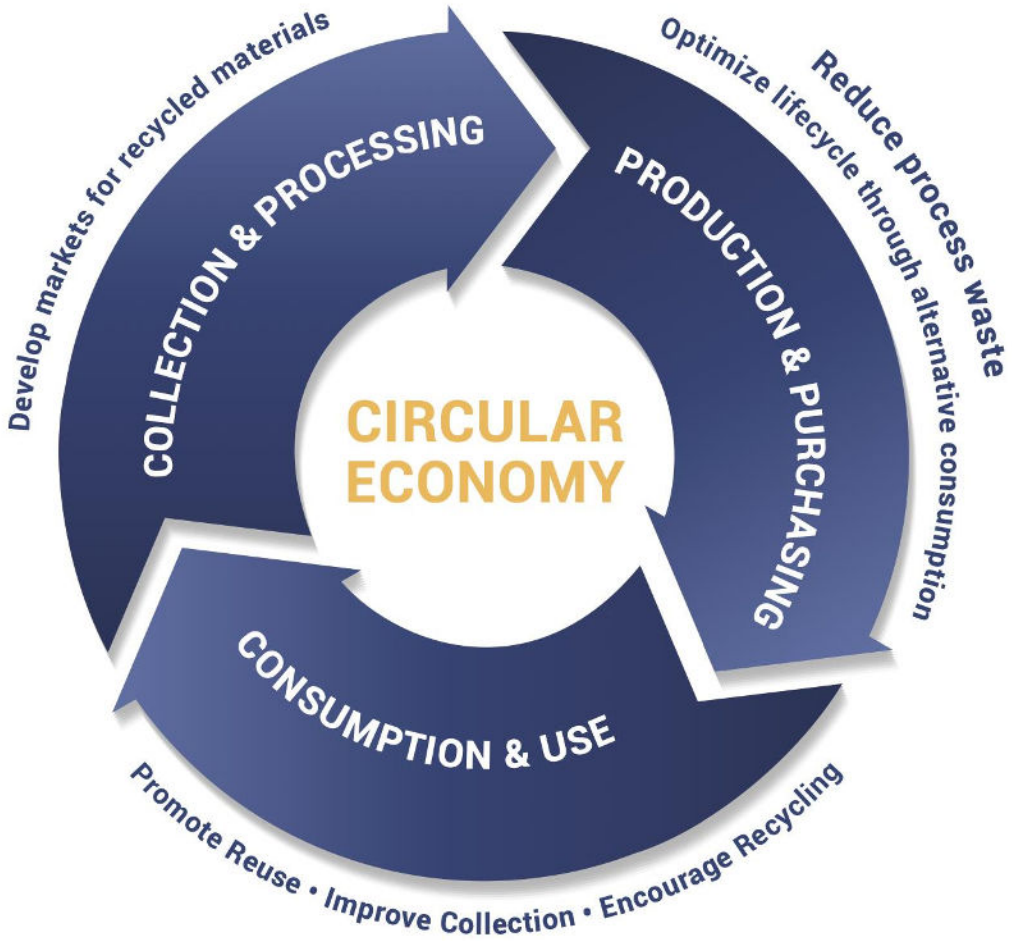
Evansville, IN
Plant and HQ
CGH-EV, Inc (dba CHEM Group)

2025

On January 17, 2025 after several years of private equity ownership Dave and Paul Carson are now sole owners of CGH-EV, Inc.

84 employees

Circular Economy

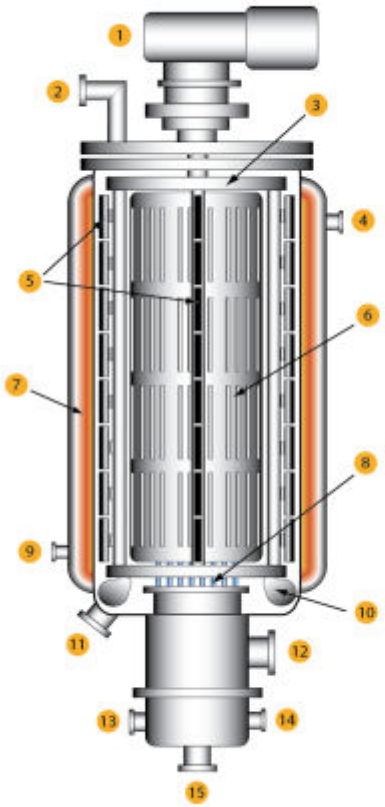


Giving you back the molecule that you've already paid for.

Chemical recycling is crucial to making this industry more economically and environmentally viable, a mission we've been committed to since long before it started trending.

CHEM Group can help you become a driving force towards a brighter future for this industry. The model is simple, we renew fluids and remove unwanted components and give you back the valued molecules you already paid for, the rest speaks for itself.

TECHNOLOGY – WIPED FILM EVAPORATOR



- ✓ High Temperature (600F)
- ✓ Low Vacuum (<100 microns)
- ✓ Low Residence Time
- ✓ Tolerant of salts and solids

Benefits

- Removes light ends and high boilers
- High yield of return (70-95%)
- Directly impacts company sustainability initiatives
- Saves on EPA reporting
- Reduction of chemical footprint and landfill waste participation

- ✓ Also available: Reactors, Distillation Columns, heated mixing kettles, solidification belt, filtration and carbon beds.
- ✓ We can handle: Rail, Trucks, Drums and Totes

Streams to Reclaim

Many Chemical Plants have 1 or more of these streams which can make good candidates for recovery.

- **Heat Transfer Fluids** – typically used in conjunction with a furnace to heat a process when temperature control is critical, or steam will not easily reach the temperature.
- **Off-spec product** – contaminated due to error, high moisture, processing difficulty, start-up/shut-down material.
- **Glycols** – EG, DEG, TEG, TTEG and PG – often used as heat transfer fluids (anti-freeze), solvent or chemical cleaning. These degrade over-time or become contaminated.
- **Amines** – used in gas treating – these build up salts and reduce the streams effectiveness
- **Lubricating Oils** – machine lubricants can build up heavy contaminants and moisture
- **Catalyst** – typically solid, may contain precious metals and are mixed with a solvent.

What waste streams can you think of?

CONTRACT | TOLLING BUSINESS APPLICATIONS

Recovery and Purification of High-Boiling Materials Heat-Sensitive Materials, Viscous Liquids, Hi-Vacuum Distillations

- Acrylates
- Catalyst Recovery
- Column Bottoms Recovery
- Deodorization
- Drying Applications
- Ethanolamines (DEA,MDEA, DGA)
- Fats and Oils
- Fatty Acids/Amines/Esters
- Glycerin
- Glycols, Diols, Glycol Ethers
- Heat Transfer Fluids
- Herbicides
- Isocyanate Recovery
- Lubricants (Rolling Oils, PolyolEsters)
- Pesticides
- Pharmaceuticals
- Plasticizers
- Solvents (DMF, NMP, THF)
- Monomers, Polymers, Resins
- Vitamin Feedstocks
- VOC Stripping of Urethanes/ Phenolics/Polymers

Heat Transfer Fluids

Example

Heat Transfer Fluids (HTF) – Reclamation Case Study

How does Reclamation Lower the Overall Cost for the End User?

Fluid	Volume (Lbs.)	Transport	Processing ($)	Reclaim Cost	Replacement	Savings
Typical	44,000	$6,000	$46,200	$58,200	$143,800	60%

Giving back the molecule that you've already paid for.