



CleanPlanet

Solvent Recycling Reinvented

**Turn your solvent waste
into a competitive
advantage!**



CleanPlanet
SOLVENT RECYCLING REINVENTED



Reinventing Solvent Recycling

CleanPlanet sells circular solvents and has been in the solvent recycling business for almost 30 years, selling more than 7,000 units.

We've seen very little change in the industry; today more than 90% of solvent generators don't recycle.

In the early 2010s, we asked ourselves "How do we make this better"

The answer: **INNOVATION**

Last 10 years focused on **Reinventing On-site Solvent Distillation**

Funded for growth by Nuveen a TIAA company with \$1.4T assets under management

Our Unique Technology

Our patented solvent recycling technologies provide significant **improvements in ease of use, solvent quality, yield, and efficiency.**



Bespoke Solutions Possible

Precision Distillation:

Over 50 sensors and the use of proprietary algorithms maximize solvent recovery and quality.

VMRS Vapor System:

Near zero fugitive emissions. No chemistry loss for a better-quality solvent. No odor for a better user experience.

AutoRinse Distillation:

All units have scrappers with a rinse and discharge process after every cycle. No debris, no clogging.

MyCleanPlanet:

Online portal for real-time recycling data. A powerful assessment tool that tells you the score anytime you need it.

AlwaysClear Colorimeter:

Quality control process, only crystal-clear solvent is recovered. No tinted solvent!

AutoFlush Distillation:

Automated still bottom discharge process with multiple drum capacity. No operator needed. Auto restart.

Innovative Service: Service365

Customers ONLY pay for the clean, usable solvent recovered – by the gallon or pound. Everything else is included. There are no upfront costs. We call it Service365, and it includes the following:

1. Recycling Equipment:

Modern distillation equipment with no investment or CAPEX.

2. Installation:

Shipping, start-up, and employee certification.

3. Optimization:

Ongoing, continuous up-time and yield optimization.

4. Data & Reporting:

Access to our MyCleanPlanet data platform for real-time notifications and reporting.

5. Remote Monitoring:

Real-time, active monitoring for safety and operational efficiency.

6. Maintenance & Repair:

All ongoing maintenance and repair (parts and labor). Spare parts stocked at your facility.

7. Flexibility:

Change your unit to meet your business needs. You won't be stuck with a unit that is too big or too small.

8. Upgrades:

When we develop new improvements to software and hardware, your unit is upgraded.





The Value of Service365

Easy to Implement

Solvent recycling can be hard. We've recognized this and built our entire company around removing these burdens.

No CapEx: No need for a capital expense request, get started immediately.

Free pilot: Uncertain about which is the right recycling solution? Take it for a free one-month trial.

Options on commitment: Month to month or 3 Year Term Commitment.

Ease of operation: Our system requires as little as fifteen minutes a day of your attention

No maintenance responsibility: Our Technicians handle all maintenance and repairs.



Scoring the Impact

The Average CleanPlanet Customer



"We were sold from the beginning on the unit, cost efficiency, and ease of use. We have met all those things with our overall program.

– Sorma USA

Economic:

20%-60%

a year in savings

We **save you money**, not just day 1 but day 1,000 because we hold ourselves accountable and actively review

Waste Reduction:

80%+

Of hazardous solvent waste mitigated

You'll recover more solvent with CleanPlanet, pay less for waste disposal, and have less liability from storing/shipping solvent to worry about.

Environmental:

CO₂e

Significant reductions

You will have a sustainability impact that you can quantify to your employees and clients. (Every gallon recycled saves 20lbs/CO₂e)



Strong Customer Adoption & Retention

- Traditional verticals
Paint & Coatings and
Flexible Packaging
- Annual retention rate
of 98%+ speaks to the
value being delivered



KOMATSU



MIT Massachusetts
Institute of
Technology



Riddell



BOMBARDIER
the evolution of mobility

Kubota



SHERWIN-WILLIAMS

Baxter

SIEMENS





Legislative Changes:

From a nice to do to a **compliance** issue:

EU

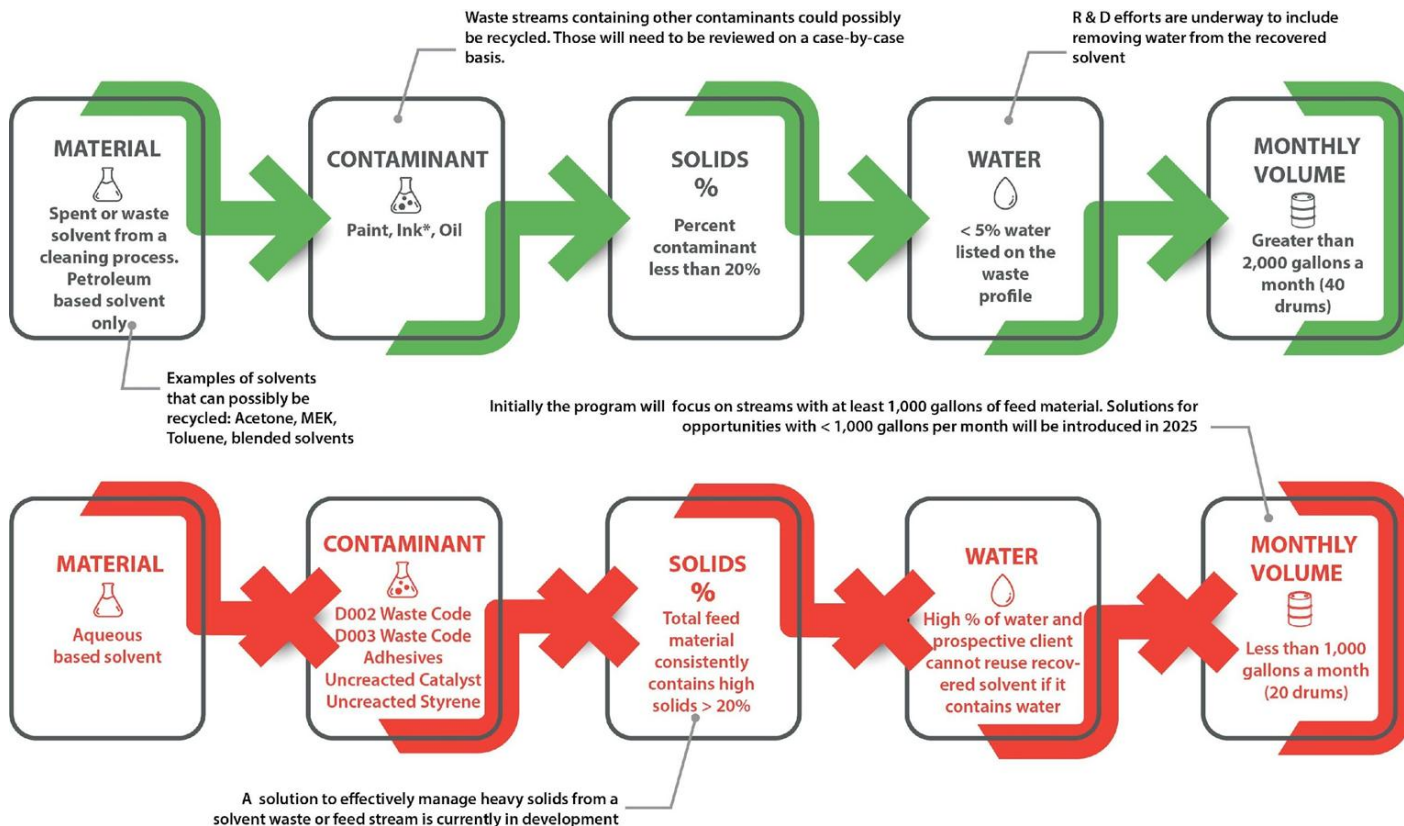
- 2015 Paris Climate agreement
- 2019 EU Green deal and no place left behind
- 2023 Corporate Sustainability Reporting Directive (**CSRD**)

US

- 2023 California Climate Accountability Package
 - SB 253
 - SB 261
- 2024 SEC Climate Disclosure Rule
- Federal Acquisition Regulation Council (FAR)

Typical Target Criteria

Characteristics of a waste / feed stream that would be an ideal candidate for on-site solvent recycling using CleanPlanet's Service365 Program.

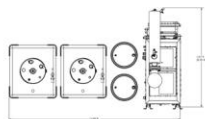


CleanPlanet

AlwaysClean 1

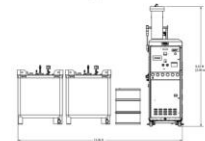


150 - 300 gal
Daily Input of
Dirty Solvent



90 - 220 gal
Daily Output of
Clean Solvent

563 - 1,725 tons
Yearly Greenhouse
Gas Reduction

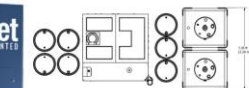


CleanPlanet

AlwaysClean 6

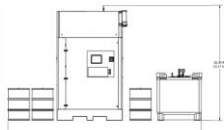


400 - 800 gal
Daily Input of
Dirty Solvent



300 - 600 gal
Daily Output of
Clean Solvent

4,050 - 6,750 tons
Yearly Greenhouse
Gas Reduction



Installation

Unit Dimensions:

Height: 116" (2.95 m)

Width: 37" (0.94 m)

Depth: 94" (2.39 m)

Operational Area:

With Drums LxW: 126" (3.2 m) L x 153" (3.89 m) W

With Totes LxW: 156" (3.96 m) L x 153" (3.89 m) W

Service Envelope Dimensions:

Height: 144" (3.66 m)

Width: 97" (2.46 m)

Depth: 153" (3.89 m)

Weight:

Unloaded: 3,900 lbs (1,769 kg)

Loaded: 4,400 lbs (1,995 kg)

Operation

Daily Rate:

Input: 150 - 300 G (568 - 1,136 L)

Output: 90 - 220 G (341 - 833 L)

Air:

Operation: 15 CFM @ 90 PSI

Electricity:

480 V, 30 Amps, 3 Phase, 50/60 Hz

Chilled Water:

34,000 BTU/H (3 Tons, 10 kW)

Flow Rate: 30 GPM (114 LPM)



Installation

Unit Dimensions:

Height: 124" (3.15 m)

Width: 77" (1.96 m)

Depth: 77" (1.96 m)

Operational Area:

With Drums LxW: 197" (5 m) L x 180" (4.57 m) W

With Totes LxW: 269" (6.83 m) L x 180" (4.57 m) W

Service Envelope Dimensions:

Height: 185" (4.7 m)

Width: 149" (3.78 m)

Depth: 185" (4.7 m)

Weight:

Unloaded: 9,900 lbs (4,490 kg)

Loaded: 10,500 lbs (4,762 kg)

Operation

Daily Rate:

Input: 400 - 800 G (1514 - 3,028 L)

Output: 300 - 600 G (1136 - 2,271 L)

Air:

Operation: 60 CFM @ 90 PSI

Electricity:

480 V, 60 Amps, 3 Phase, 50/60 Hz

Chilled Water:

115,000 BTU/H (10 Tons, 33 kW)

Flow Rate: 50 GPM (189 LPM)



Opportunities: Immediate cost & environmental savings

- Off-spec material
- Inter-Batch cleanups
- Co-product separation
- Recovery of high value solvent streams



Hamish Jacobs
Contact details

Meet us at Booth #418

Thank you

