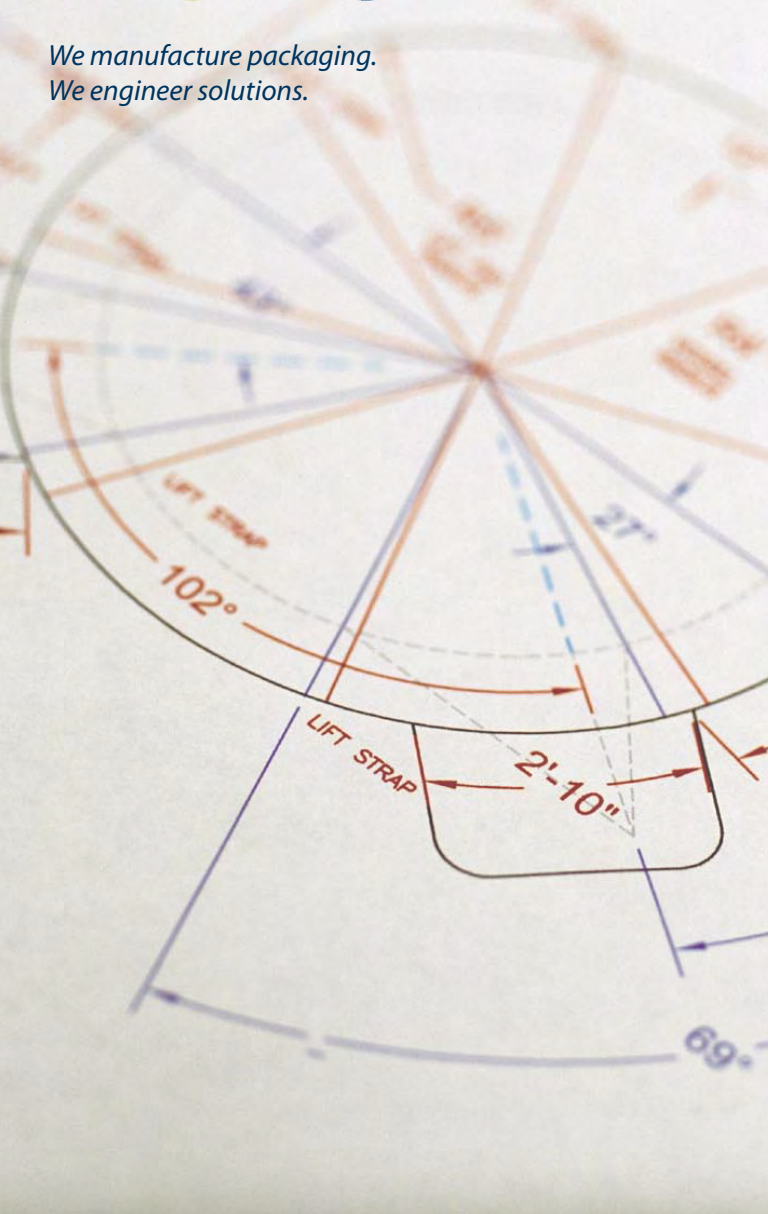




NUCLEAR PRODUCT LINE

**PACTEC**

*We manufacture packaging.  
We engineer solutions.*







## ***We manufacture packaging. We engineer solutions.***

PacTec, Inc. is the leader in designing and manufacturing flexible packaging for hazardous and nuclear wastes across the globe. Enclosed you will find details on our complete line of waste containment and packaging solutions.

Our corporate offices are based in Clinton, LA with sales and distribution locations worldwide. We also own and operate manufacturing facilities in Clinton, LA and Subic Bay, Philippines.

With over 20 current US and one British patent, we have a reputation for developing innovative solutions for today's problems.

### ***Quick Facts:***

- ▶ 20+ US and One British Patent
- ▶ ISO 9001: 2015 Certified
- ▶ 6 US Distribution Facilities
- ▶ 3 Manufacturing Plants
- ▶ Worldwide Sales Locations

### ***In House Capabilities:***

- ▶ Engineering
- ▶ Research & Development
- ▶ Quality Control
- ▶ Product Testing
- ▶ Customer Service

PacTec Contacts





# LiftPac®

## IP-1, IP-2 and IP-3 Flexible Containers

PATENTED

The LiftPac® flexible container is ideal for flowable solids and debris such as sand, soil, gravel, and D&D wastes- and meets DOT transport regulations. Manufactured of heavy-duty woven and non-woven polypropylene with proprietary zipper closures, the LiftPac® gives users a safe and secure way to store, transport, and dispose of a variety of wastes to meet IP-1, IP-2 or 7A Type A IP-3 compliance.



## Applications:

- ▶ Storage, transport, and disposal of flowable solids and debris
- ▶ Replaces metal and wooden boxes
- ▶ Reduce D&D packaging and transportation costs

## Features:

- ▶ Easy to handle, load, and store
- ▶ One piece design for easy to use
- ▶ Optional liners available
- ▶ Reduced project footprint
- ▶ IP-1, IP-2, and 7A Type A IP-3 packages available

## Advantages:

- ▶ Increased waste loading vs. metal containers
- ▶ One time fixed cost; eliminates rentals
- ▶ Proprietary zipper closures are safer and faster than other methods
- ▶ Custom sizes available





# LiftPac®

## Self Standing B25 Bag

PATENTED



The LiftPac® B25 Bag is a self-standing flexible container that is ideal for solo loading and unloading. The bag features our proprietary zipper system for easy closure, and a single pick design for easy lifting. That means no loading frames or lifting frames necessary.

Manufactured of heavy duty polypropylene, heavy duty fiberboard, and a 6 mil PE liner. The LiftPac® B25 Bag gives users an easy and secure way to store, transport, and dispose of a variety of low level waste.

## Applications:

- ▶ Storage, transport, and disposal of flowable solids and debris
- ▶ Replaces metal and wooden boxes
- ▶ Reduce D&D packaging and transportation costs

## Features:

- ▶ One piece, self-standing design for easy use
- ▶ use Proprietary zipper enclosure
- ▶ Reduced project footprint
- ▶ IP-1 packages available

## Advantages:

- ▶ Increased waste loading vs. metal containers
- ▶ Self-standing for easy set up and loading
- ▶ No lifting or loading frames necessary
- ▶ Proprietary zipper closures are safer and faster than other methods



# LiftPac®

## Dual Purpose UN-Y/IP-1 Waste Bag



PacTec's LiftPac® is the only self-standing, zipper-top UN-Y/IP-1 waste bag on the market. This cubic yard bag is the perfect solution for the disposal of hazardous waste, contaminated PPE, and asbestos. The LiftPac® walls are constructed of rigid corrugated fiberboard allowing the bag to be self-standing, while the glued-in 6 mil PE liner provides ultimate leak protection. It contains the equivalent of four 55-gallon drums at a significant savings in cost and storage space. They are lightweight, easy to assemble, versatile, and can easily be lifted by forklift with attached loops.

## Applications:

- ▶ Hazardous Waste
- ▶ Lab Packing
- ▶ Contaminated PPE
- ▶ Soil, Asbestos, & Other Dusts
- ▶ Wastewater Treatment Sludges
- ▶ Dry Active Waste (DAW)

## Features:

- ▶ UN-Rated "Y" for Packaging Groups II and III
- ▶ IP-1 Rated for Low Level Radioactive Waste
- ▶ Cardboard sidewalls hold bag open for easy filling
- ▶ Proprietary zipper closure
- ▶ UV Coated, weather resistant outer layer

## Advantages:

- ▶ Self-contained multi-layer unit
- ▶ Superior to stapling boxes to pallets
- ▶ Lightweight and compact
- ▶ Lowers disposal costs as compared to 55-gallon drums
- ▶ Collapsible for easy storage





# Drum OverPac®

## IP-1 & IP-2 Drum OverPacs



Our engineers develop your design requirements into practical products. This is the ideal packaging solution for containing legacy drums- bringing them into compliance, and making them suitable for shipping. These heavy-duty drum OverPacs are offered as an IP-1 and IP-2 package. They are made-to-spec, fitting both 55-gallon and 30-gallon drums. Each OverPac is fitted with a single-pick design, where the high-strength industrial straps can be lifted by a single attachment point.



## Applications:

- ▶ Surface Contaminated Objects
- ▶ LLW & LSA-1
- ▶ 30 & 55-Gallon Drums

## Features:

- ▶ Durable industrial fabrics
- ▶ Proprietary zipper closure system
- ▶ Can incorporate a tamper indication device
- ▶ IP-1 & IP-2

## Advantages:

- ▶ Customized to fit
- ▶ Best in industry manufacturing lead time
- ▶ Reduces worker exposure
- ▶ DOT-compliant packaging

# MacroBag®

## Macroencapsulation for LLMW & RLS

PATENTED

PacTec has pioneered and patented a cost-effective treatment technology with its MacroBag®, a flexible package used for the secure macroencapsulation of radioactive hazardous debris. The MacroBag® provides a safe, cost-effective, and easy-to-use solution for disposing of low-level mixed waste debris that can be custom-sized to meet the needs of your project.



## Applications:

- ▶ Radioactive Lead Solids
- ▶ Circuit Boards
- ▶ LLMW Debris
- ▶ Lead Batteries & Shielding

## Features:

- ▶ Approved by EPA for macroencapsulation
- ▶ Proprietary airtight closure system
- ▶ Approved for RLS
- ▶ Approved at NNSS & multiple disposal sites

## Advantages:

- ▶ Easy zipper closure system
- ▶ No grout, no welding, no control panels
- ▶ Load drums and boxes directly into the MacroBag
- ▶ Custom Sizes (30 Gallon Drum-to-Sealand Container)





# NucPac®

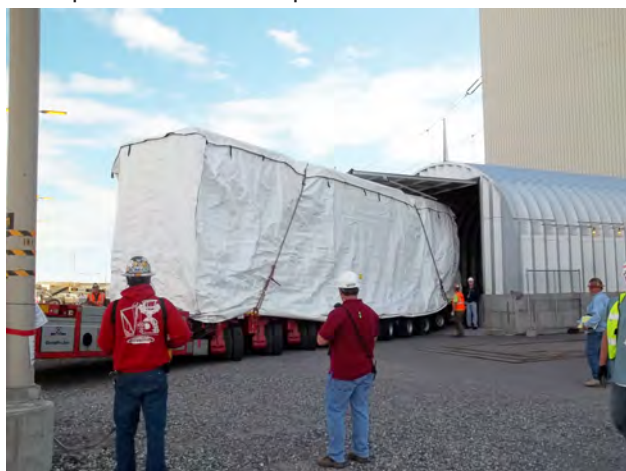
## IP-1 LSA and SCO Overpacks



Our engineers develop your design requirements into practical products for shipments of any size or shape. PacTec's extensive variety of materials for custom covering systems and overpacks are tested and project-proven. Our turnaround time is the best in the industry. Making cost-effective, regulatory-compliant packaging for the safe transport of SCO (surface contaminated object) and LSA (low specific activity) materials is our top priority.

## Applications:

- ▶ Surface Contaminated Objects
- ▶ Low Specific Activity material
- ▶ Irregular / Large equipment
- ▶ Pressure vessels
- ▶ Overpack for out-of-compliance metal containers



## Features:

- ▶ Durable industrial fabrics
- ▶ Industrial zipper closure system
- ▶ Can incorporate a tamper indication device
- ▶ IP-1 Certified with Certificate of Compliance



## Advantages:

- ▶ Customized to fit
- ▶ Prompt manufacturing lead time
- ▶ Reduce worker exposure
- ▶ Regulatory compliant packaging





# RailPac®

## IP-1 Railcar Liners

PATENTED



RailPac® ensures the safest transportation of contaminated waste materials with a form-fit design to keep our liners securely in place. Manufactured from your choice of extruded or woven polymeric fabrics, these IP-1 containers are designed for your railcar's exact specifications and custom sizes are always available. The proprietary zipper ensures quick and easy installation and closure and can be fitted with a tamper indication device to deter unauthorized access.



## Applications:

- Construction Debris
- Contaminated Soil
- Sludges
- Ash wastes and powders

## Features:

- Proprietary zipper closure
- Form-fit design
- Made of woven polyethylene to handle a variety of waste streams

## Advantages:

- Installs in minutes
- Ability to incorporate a tamper-resistant device
- Proprietary closure method saves time and money
- Top cover keeps out rain and snow



# CUSTOM

## Custom Nuclear Packaging



Our engineers have many years of experience working on nuclear sites across the globe. The team has the experience and capability to produce specialist designs for unique decommissioning challenges- aiding in efforts to remove and package higher activity radioactive equipment or materials.

## Applications:

- ▶ Surface Contaminated Objects
- ▶ Low Specific Activity material
- ▶ Irregular / Large equipment
- ▶ Pressure vessels
- ▶ Overpack for out-of-compliance metal containers



## Features:

- ▶ Durable industrial fabrics
- ▶ Industrial zipper closure system
- ▶ Can incorporate a tamper indication device
- ▶ IP-1 Certified with Certificate of Compliance



## Advantages:

- ▶ Customized to fit
- ▶ Prompt manufacturing lead time
- ▶ Reduce worker exposure
- ▶ Regulatory compliant packaging





## Notes

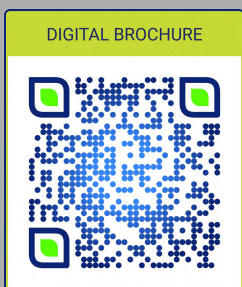
[illegible]

## Notes

[illegible]



*Engineered solutions that are anything but standard.*



# PACTEC

*We manufacture packaging.  
We engineer solutions.*

---

P.O. Box 8069 Clinton, LA 70722  
(800) 272-2832 National Sales Office  
(225) 683-8711 Fax  
[pactecinc.com](http://pactecinc.com)

Locations in North America, Europe, and Asia