

Executive Summary 2026

Building Decentralized Infrastructure
for a World Beyond Waste.



Executive Summary

Plastic waste has become one of the world's most pressing environmental and economic challenges. While billions are invested in collection and conventional recycling, a significant share of plastic waste remains non-recyclable due to contamination, mixed material streams, or insufficient infrastructure. In many regions, this waste is still landfilled, openly burned, or released into the environment—representing not only an ecological burden but also a lost resource.

PlastFuel addresses this challenge with a fundamentally different approach.

Instead of transporting plastic waste over long distances to centralized facilities, PlastFuel brings the solution directly to the source. Our decentralized, containerized infrastructure converts non-recyclable plastic waste into valuable energy products, helping communities, industries, and governments transform an environmental liability into local economic value.

The PlastFuel platform combines five strategically connected business areas:

PlastFuel – Decentralized Mobile Pyrolysis Systems

PlastEnergy – Energy Generation, Storage & Distribution

PlastExtend – Mobile Solar & Hybrid Energy Systems

PlastSolutions – Engineering & Infrastructure Integration

HydroFuel – Atmospheric Water Generation

Together, these business units form an integrated infrastructure platform that addresses three fundamental global challenges: **waste, energy, and water.**

Our modular Smart Container concept enables rapid deployment with minimal infrastructure requirements, making the platform particularly suitable for municipalities, industrial sites, islands, remote communities, disaster recovery operations, and emerging markets where conventional recycling and energy systems are limited or unavailable.

PlastFuel is designed for scalable international deployment through strategic partnerships, regional manufacturing, and standardized containerized systems. By combining environmental responsibility with economic viability, we are creating a new generation of decentralized infrastructure that delivers measurable impact while supporting long-term sustainable growth.

Our vision extends beyond waste management. We are building an ecosystem where plastic waste becomes the starting point for energy security, local value creation, and resilient infrastructure—creating practical solutions for communities around the world.

Transforming Plastic Waste into Infrastructure for the Future.

The Global Challenge

Plastic Waste Is No Longer Just an Environmental Issue.

It Is an Infrastructure Challenge.

Every year, hundreds of millions of tonnes of plastic waste are generated worldwide. While mechanical recycling remains an essential part of the circular economy, a significant proportion of plastic waste cannot be recycled due to contamination, mixed material streams, or a lack of adequate processing infrastructure.

In many parts of the world, this residual plastic waste is landfilled, openly burned, or leaks into rivers and oceans-creating environmental, economic, and social consequences.

At the same time, billions of people continue to face unreliable access to energy, while many regions lack the infrastructure required to manage waste efficiently or recover its remaining value.

These challenges are closely interconnected.

Plastic waste, energy security, and resource management should no longer be viewed as separate issues. They require integrated infrastructure solutions that can be deployed rapidly, operate economically, and adapt to local conditions.

Why PlastFuel

PlastFuel addresses these global challenges through a decentralized infrastructure approach.

Instead of transporting waste over long distances to centralized facilities, PlastFuel brings the technology directly to where plastic waste is generated.

Our containerized Smart Systems convert non-recyclable plastic waste into valuable energy products while integrating decentralized power generation, hybrid energy systems, engineering services, and atmospheric water generation into one scalable platform.

The result is an infrastructure model that not only reduces environmental impact but also creates local energy, strengthens regional resilience, and unlocks new economic opportunities.

The Opportunity

Plastic waste should no longer be viewed as a disposal problem.

It should be recognized as an underutilized resource capable of supporting decentralized energy production and long-term infrastructure development.

By transforming waste into value directly at the source, PlastFuel enables communities, industries, and governments to reduce logistics, lower operating costs, improve resource efficiency, and build greater energy independence.

This represents more than a technological innovation.

It represents a new infrastructure model for a world beyond waste.

**"Waste. Energy. Water.
One Integrated Infrastructure Platform."**



The PlastFuel Platform

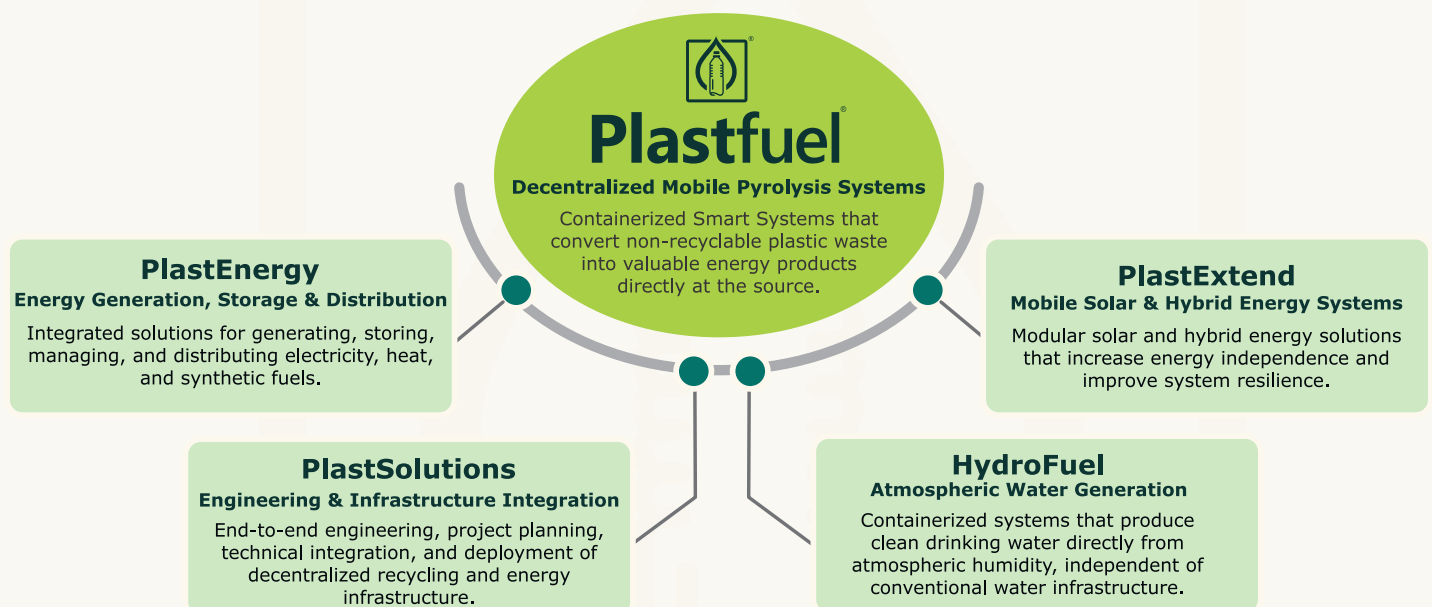
One Platform. Five Strategic Business Units.

PlastFuel is more than a technology company.

We are building a decentralized infrastructure platform that integrates waste conversion, energy generation, engineering, and water production into one scalable ecosystem.

Rather than offering a single product, PlastFuel combines five strategically connected business units designed to address some of the world's most pressing infrastructure challenges.

Together, they create a flexible platform that can be deployed independently or as an integrated solution, depending on regional requirements and customer needs.



One Integrated Infrastructure Ecosystem

Each business unit creates value on its own.

Together, they form a scalable infrastructure platform capable of addressing three interconnected global challenges:



This integrated approach enables PlastFuel to serve municipalities, industrial customers, infrastructure operators, humanitarian organizations, and public institutions through one unified platform that is modular, scalable, and ready for global deployment.

Technology Portfolio

Engineered for Rapid Deployment. Designed for Global Scale.

PlastFuel develops modular, containerized infrastructure systems that enable decentralized deployment with minimal site preparation and maximum operational flexibility.

The platform has been engineered around standardized Smart Container technology, allowing rapid installation, simplified logistics, and scalable implementation across municipalities, industrial facilities, remote regions, islands, and emerging markets.

PF1000A Smart Container (20 ft)



The PF1000A is PlastFuel's compact decentralized Plastic-to-Energy solution.

Designed for locations with limited infrastructure, it converts non-recyclable plastic waste into valuable energy products directly at the source.

Key Features

- Processing capacity of up to 1 ton per day
- Mobile and containerized design
- Fully automated process control
- Suitable for mixed and contaminated plastic waste
- Modular installation with rapid deployment
- Optimized for decentralized Waste-to-Energy applications

PF5000B

Industrial Smart Container (40 ft)

The PF5000B expands PlastFuel's technology for higher-capacity industrial operations.

Built on the same modular platform architecture, it enables larger processing volumes while maintaining the advantages of containerized deployment.



Key Features

- Processing capacity of up to 5 tons per day
- Industrial-scale containerized system
- High operational flexibility
- Designed for continuous operation
- Modular expansion capability
- Ideal for municipalities, industrial sites, and regional recycling hubs

Why Containerized Infrastructure?

Containerization is more than mobility.

It is the foundation of a standardized infrastructure model that enables global deployment, predictable installation, reduced investment risk, and scalable expansion.

Instead of constructing permanent facilities, PlastFuel delivers complete infrastructure systems that can be transported, commissioned, relocated, and expanded wherever they are needed.

Business Model

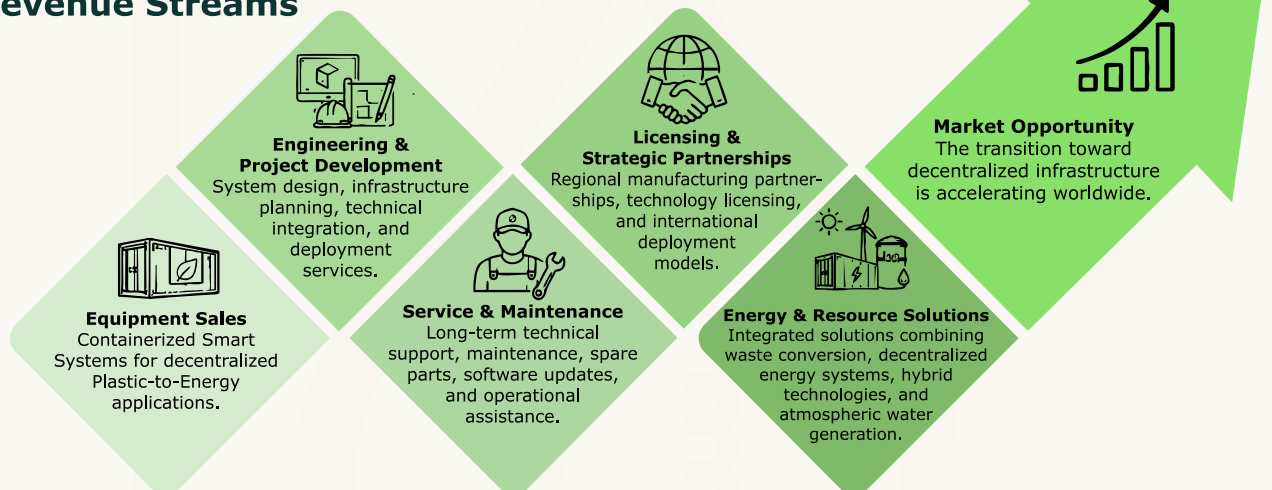
Creating Long-Term Value Through Decentralized Infrastructure

PlastFuel combines environmental impact with economic sustainability by transforming non-recyclable plastic waste into valuable energy products and infrastructure services.

Our business model is built on standardized, containerized systems that can be deployed globally through strategic partnerships, regional manufacturing, and scalable implementation models.

Rather than relying on a single source of revenue, PlastFuel is designed as a diversified infrastructure platform with multiple long-term value streams.

Revenue Streams



Governments, municipalities, industrial companies, infrastructure operators, and humanitarian organizations are increasingly seeking scalable solutions that address waste management, energy security, and resource resilience simultaneously.

PlastFuel is positioned to support this transformation through standardized, modular infrastructure systems designed for global deployment.

Why PlastFuel

- Integrated Infrastructure Platform
- Modular Smart Container Architecture
- Scalable International Deployment
- Multiple Business Units
- Standardized Engineering
- Long-Term Partnership Model
- Practical Solutions for Global Infrastructure Challenges

PlastFuel is not simply delivering technology. We are building the infrastructure platform for decentralized waste, energy, and water solutions.

Creating Infrastructure. Generating Long-Term Value.



Investment Opportunity

Building the Next Generation of Decentralized Infrastructure

The global demand for sustainable waste management, resilient energy systems, and decentralized infrastructure continues to grow.

PlastFuel is positioned at the intersection of these long-term trends by delivering standardized, scalable Smart Container solutions that address waste, energy, and water through one integrated platform.

Our strategy combines proven engineering principles, modular system architecture, and strategic partnerships to enable efficient international deployment and long-term value creation.

As PlastFuel expands, our focus remains on developing practical infrastructure solutions that generate measurable environmental, social, and economic impact.

Why Partner with PlastFuel?

Scalable Platform

A modular infrastructure ecosystem designed for international deployment.

Standardized Technology

Containerized Smart Systems engineered for efficient implementation and expansion.

Multiple Growth Markets

Serving municipalities, industry, infrastructure operators, islands, remote communities, and humanitarian projects.

Long-Term Value Creation

Combining technology, engineering, service, and strategic partnerships into one sustainable business model.

Our Vision

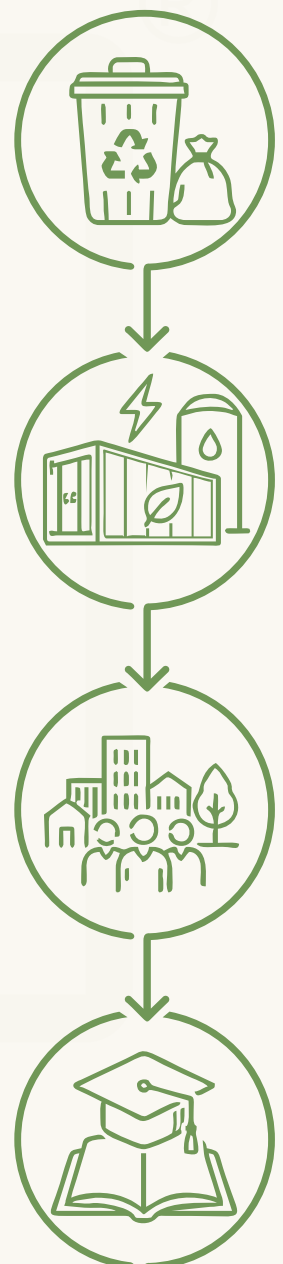
We believe the future of infrastructure will be decentralized.

Plastic waste should no longer be viewed as a disposal problem, but as a valuable local resource capable of supporting energy security, economic development, and resilient communities.

PlastFuel is committed to building practical infrastructure that transforms waste into opportunity-creating long-term value for people, industry, and the environment.

Get in Touch

To learn more about PlastFuel, our technology, or current investment opportunities, we invite you to connect with our team.



Investment Relations

investments@plastfuel.de

PlastFuel GmbH
Transforming Plastic Waste into Infrastructure for the Future.



Plastfuel
Waste Into Energy. Anywhere.



PVextend
Smart Energy. Anywhere.



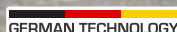
HydroFuel
Water from Air. Anywhere.



Plastfuel
initiative



Plastsolutions
Recycling Solutions. Engineered.



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