Core Values

BIOFORCETECH

Affordable waste management system

Valuable products from organic waste

Protecting nature and human health

Self sustained and green process
OUR HISTORY

FROM 1954

1954  BRUNO PRESEZZI spa

1994  GROUP

2012  BIOFORCE TECH Corporation

2016  PYREG

2020  Waste Management Organics Investment
BFT HISTORY

TIMELINE

BFT Founded
Pilots at SVCW, CA

2013

Pyreg Partnership
Full Scale Installation SVCW

2016

Starting Operations at SVCW

2017

Second US Installation
First Italian Installation

2018

US Pyrolysis Permit
35+ References Worldwide

2019

WM Investment
New SSF Headquarters

2020
THE BFT SYSTEM
THE SYSTEM

BFT SYSTEM

Single or Multiple Feedstocks

90% Volume Reduction

Biochar Production - Added Value Product

Digested or Undigested Biosolids

Renewable Energy Production - Net Zero Energy

CECs Destruction

CO2 Sequestration
BFT SYSTEM

SCALABILITY

1,000 wet tons/year
15K Population

80%
Of US WWTP

70,000 wet tons/year
1M Population
Biodryer
STEP 1

THE BIODRYER

- Digested/Undigested Biosolids
- Food Waste
- Yard Waste

- 50% less energy
- Nearly Maintenance Free
- Fully Automated With IIOT 4.0
- Class A Compliant
PYROLYSIS
STEP 2
THE P-SERIES PYROLYSIS

EPA approved as a NON-Incineration thermal process
Permitted to operate in the toughest Air district in the USA
Approving technology as a “landfill diversion method”
THE P-SERIES PYROLYSIS

THE BFT PYROLYSIS UNIQUE AND PROPRIETARY ADVANTAGES

Self-Sustained
No external energy is used to run pyrolysis

Patented Flameless Oxidizer
No flame is formed in the oxidizer = clean emissions!

Permitted in the Bay Area
Full scale biosolids pyrolysis system and non-incineration process

No Digesters Required
Capability to process undigested and digested sludge

HQ Biochar Production
Production of PFAS free, Hydrocarbon free, CDFA certified Biochar

Value Back Program
We handle the Biochar sales and give back a share of the profit to the City

Track Record and Reliability
35+ Operating Facilities Worldwide
BIOCHAR APPLICATIONS

- CECs free
- CDFA approved
- $0 Disposal cost guaranteed
- Biochar profit share
CARBON SEQUESTRATION

- **Sequester**
  Every ton of biochar produced sequesters up to 5 tons of CO₂

- **Fix**
  Biochar locks carbon in place for centuries

- **Offset**
  Replacing carbon emitting materials with biochar
Bioforcetech has conducted an internal study to evaluate the fate of 38 PFAS and PFOAS compounds using this method. The published results detail the P-FIVE Reactor as an effective method for removing PFAS and PFOA from municipal Biosolids at an industrial scale.
PROJECT DEVELOPMENT
COMPACT SYSTEM

PROJECT DEVELOPMENT

Compact System

- Installed on site
- No Digesters Required
- Zero Net Energy
- Zero Waste
- Zero PFAS
- Beneficial reuse
INPUT
Biosolids @ 22% solids
8,500 tons

OUTPUT
HD Biochar
900 tons

BioDryers

P-Three
Simply Sustainable

- Fixed costs and low O&M
- From 500 trucks/y to 50 trucks/year
- Zero Net Energy
- Zero Waste
- Up to 8,000 tons CO2e sequestered

CO2e sequestered
ORGANIC WASTE

2020 REFERENCES

- 26 Biomass Plants
- 3 Laboratory Plants
- 7 Biosolids Plants
Contact

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