

# ADVANCED-TEC MATERIALS, LLC

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**PIPELINE SAFETY & SUPPORT TECHNOLOGIES**

OUR BUSINESS IS OUR TECHNOLOGY:

**PolyCeramic™**

**Ground Foam Compounds**

ATM provides polyurethane based foam compounds that are:

**Green and Fire Retardant** with outstanding **Insulating** and **Structural** properties utilizing refined coal combustion by-products.

FOR:

Soil Stabilization

Pipeline coating

Trench breakers

# Intellectual Property

## PATENTS

Full patent application 13/181,606 filed July 2011 covering formulations of foam compounds, amended to include pipeline applications in all industries

## TRADE SECRETS

Additional formulations and processes are trade secrets



# ATM PRODUCTS ARE IDEALLY SUITED FOR KEYHOLE TECHNOLOGIES



# Product Innovations

- Use of **clean, processed**, refined coal combustion by-products
- Use of a **green** polyol from plant oils
- **Fire** retardant
- **Non-toxic** emissions and no off-gassing
- Modified formulations to suit applications



# ATM FOAM ATTRIBUTE

SPEED



SETS WITHIN SECONDS

# ATM FOAM ATTRIBUTE

STRENGTH



**STRUCTURAL INTEGRITY UP  
TO 6,000lbs!**



# Gas Field Applications



- Soil stabilization and grouting of steel piers
- Erosion control trench breakers
- Rock shield for pipeline
  - Compression tested: 300 psi and 6500 lbs. maximum strain

# ADDED CHALLENGES MET BY ATM

- Spraying compounds containing solids through standard spray guns
  - Formulation custom blended
- Applications in locations inaccessible by truck
  - Hand pour bucket kits available



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# Cost Effective Alternative to:

- Labor intensive concrete
- Sand bags
- Hand applied blanket wraps
- Two person crew can spray grout piers in minutes



# Summary

- Unique patent pending technology
- Formulations in-place and tested in the field
- Cost effective
- Replaces concrete, sand bags and rock shield blankets
- Suppliers secured





# Advanced-Tec Materials LLC

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