TITAN® & SMARTSTORE® YOUR MOBILE PIPELINE™

Dave Myers-Business Development Manager-Mobile Pipeline™





THE MOBILE PIPELINE™ – NATURAL GAS REACHING FURTHER



Problem solved. Mobile Pipeline!



Got one with miles to go?



THE MOBILE PIPELINE™ – HOW IT WORKS





Mother station on pipeline fills NG into TITAN® @ 3,600 PSI









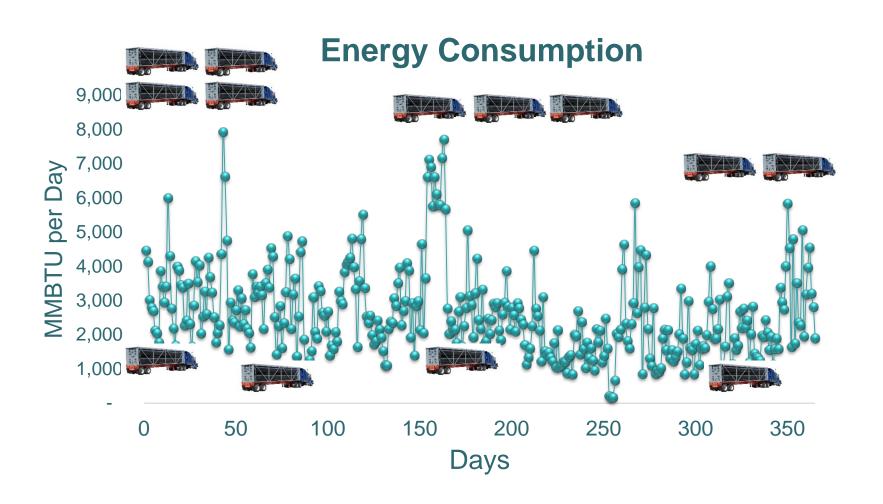
Expended TITAN® travels to Mother Station @ 150 PSI







SCALABLE & FLEXIBLE



MOBILE PIPELINE™ - APPLICATIONS





Industrial/ commercial



Usage:

- Utilities
- Energy Islands
- Industrial plants
- Back up power generation

Key drivers:

- Lack of pipeline
- Fuel price spread
- Emissions

2

Oil/gas upstream



Usage:

- Drilling rigs
- Fracking fleets
- Recovery of gas (flaring)

Key drivers:

- Fuel price spread
- Margin pressure on shale industry
- Emissions

3

High horse power



Usage:

- Remote power generation in mining
- Fuel locomotives

Key drivers:

- Fuel price spread
- Emissions

4

Agriculture sector



Usage

 Agriculture pumps

Key drivers:

 Fuel price spread



NG transport on ships



Usage

- CNG transport on or fuelling of marine ships
- Collection of boil off on LNG ships

Key drivers:

- Fuel price spread
- Émissions

INDUSTRY & COMMERCIAL – SOLID SAVINGS



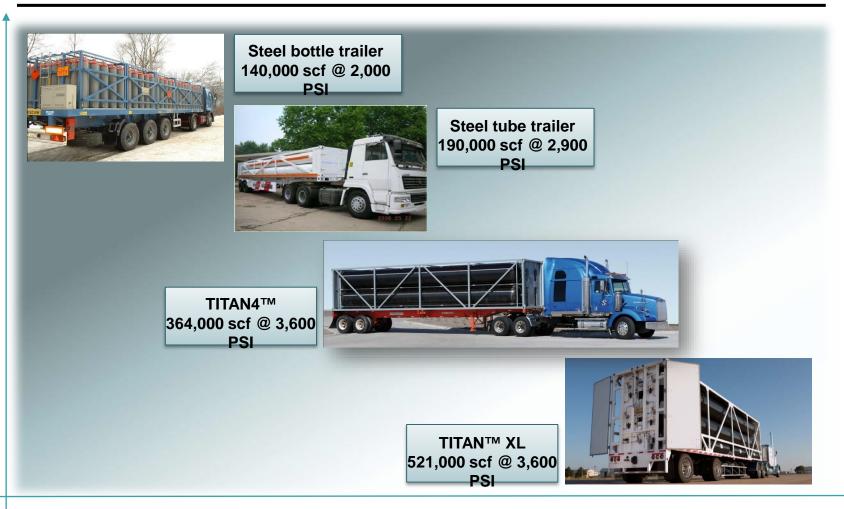




- Total savings on fuels in average
 20 to 40% to prior use
- Flexibility in fuel supply can be maintained
- Substantial reduction of emmissions
- Easy conversion
- Large potential for utilities

STEEL TO COMPOSITE - THE EVOLUTION





Portable volume in scf NG

LEADING PRODUCTS



SMARTSTORE®

TITAN®4

TITAN®XL







KEEPING IT SAFE - ROLLOVERS & SHOOTOUTS!

HEXAGON COMPOSITES

- Closed tank valves during transport
- Solid frame structure
- Safe vent procedures
- No leakage







OVERVIEW



TECHNICAL OVERVIEW

Туре	40' TITAN 4 module	TITAN™ XL trailer	SMARTSTORE	2 X SMARTSTORE
Size	40'	40'	20'	2 X 20'
Trailer/Chassis	No	Yes	No	No
Number of Tanks	4	12	15	30
Total Water Volume	8,980 G	13,010 G	6122 G	12,244 G
(approximate)	(34,000 L)	(49,250 L)	(23,175 L)	(46,350 L)
Operating Pressure	3,626 psi at 59°F	3,626 psi at 59°F	3,626 psi at 59°F	3,626 psi at 59°F
	(250 bar at 15°C)	(250 bar at 15°C)	(250 bar at 15°C)	(250 bar at 15°C)
Estimated Gas Volume*	364,059 scf	526,612 <u>scf</u>	245,000 scf	490,000 <u>scf</u>
	(10,086 scm)	(14,912 <u>scm</u>)	(6,900 scm)	(13,800 <u>scm</u>)
Estimated Gas Mass *	16,677 lb	24,524 lb	11,175 lb	22,350 lb
	(7564 kg)	(11,124 kg)	(5,070 kg)	(10,140 kg)
Estimated Tare Weight*	34,613 lb	48,023* Jb	19,000 lbs.	38,000 lbs.
	(15,700 kg)	(21,782 kg)	(8618 kg)	(17,236 kg)
Estimated Loaded Weight	51,290 lbs.	72,547 lb	30,175 lbs.	60,350 lbs.
	(23,265 kg)	(32,906 kg)	(13,687 kg)	(27,374 kg)
Diesel Equivalent	2,576 G	3,788 G	1,726 G	3,452 G
(approximate)	(9,753 L)	(14,340 L)	(6,533 L)	(13,066 L)
Length	40 ft	40 f <u>t</u>	20 ft	40 f <u>t</u>
	(12.19) m	(12.19 m)	(6.1 m)	(12.2 m)
Height*	8 f <u>t</u>	13.5* ft	9.50 ft	9.50 ft
	(2.44) m	(4.11 m)	(2.90 m)	(2.90 m)
Width	8 ft	(8.5 ft)	(8.37 ft)	(8.37 ft)
	2.44 m	(2.59 m)	(2.55 m)	(2.55 m)

^{*(}CNG @ 15°C, 0.75 kg/scm./ 0.04682 lb/scf, 59°F)