



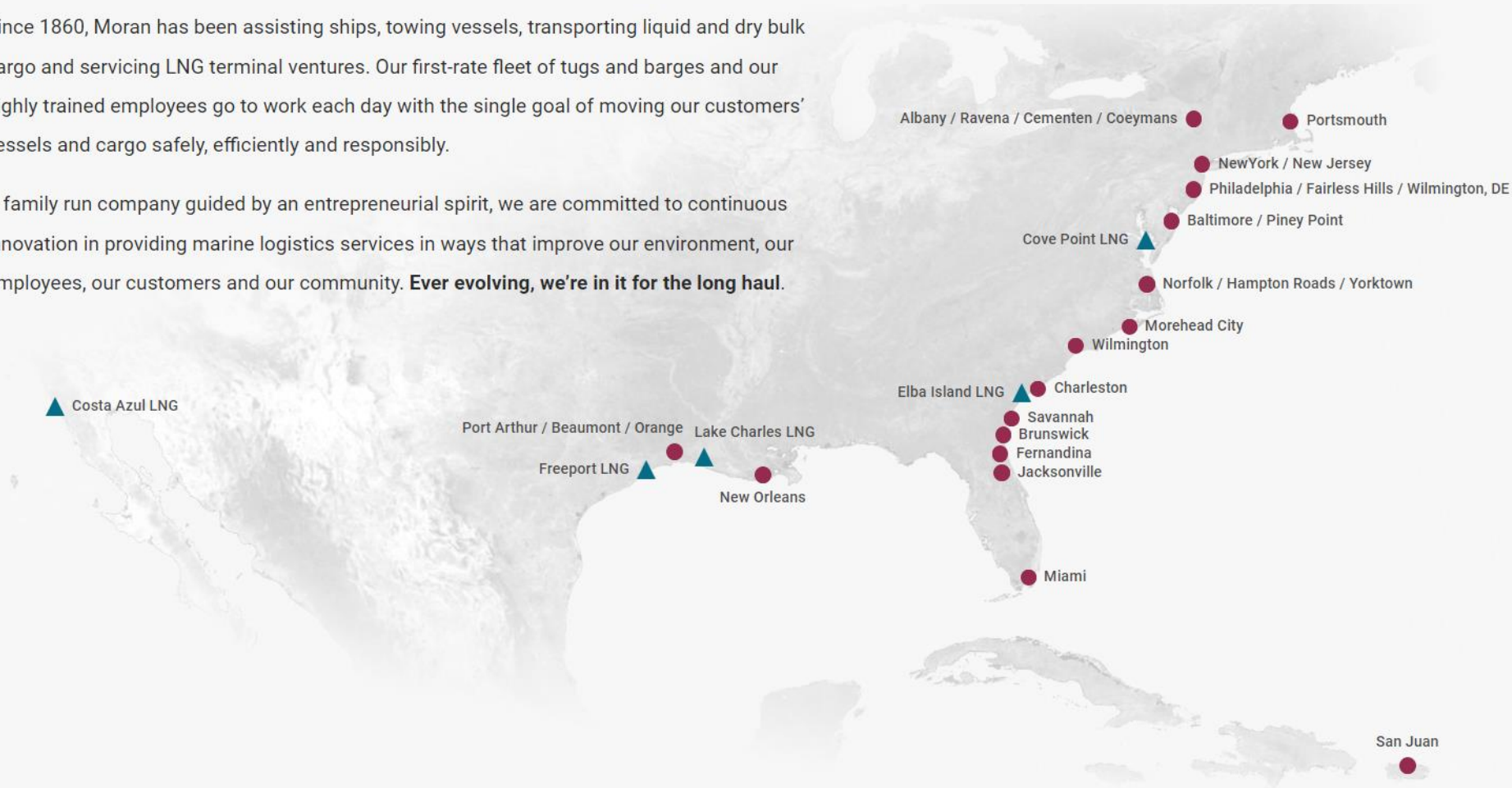
*LEADING PROVIDER OF*

**HARBOR SERVICES, MARINE TRANSPORTATION SERVICES & ENVIRONMENTAL SERVICES**

# **moran** Trusted Marine Logistics Services for More than 160 Years

Since 1860, Moran has been assisting ships, towing vessels, transporting liquid and dry bulk cargo and servicing LNG terminal ventures. Our first-rate fleet of tugs and barges and our highly trained employees go to work each day with the single goal of moving our customers' vessels and cargo safely, efficiently and responsibly.

A family run company guided by an entrepreneurial spirit, we are committed to continuous innovation in providing marine logistics services in ways that improve our environment, our employees, our customers and our community. **Ever evolving, we're in it for the long haul.**





**2,000+**

total employees



**17**

ports served



**160+**

years of operation



**>35,000**

ship assists per year



**100%**

focus on safety



**438,040**

total horsepower



**94**

total tugboats  
& counting



**40,000,000 BBLs**

crude, petroleum, & other  
liquid carried yearly



**93,000**

tons of vessel steel



**Over 2,700,000**

metric tons of dry bulk  
carried annually



- Visible Leadership Visits
- Lessons Learned
- Safety Culture Surveys

- Near Miss Sharing
- Company Specific Training
- Health Coaching in Outports





## HARBOR SERVICES



- A Leading Company in the Industry
- Perform over 35,000 Ship Assist Jobs annually
- Largest Tractor Tug Fleet in North America
- Routinely provide active (tethered) and passive escort in open and protected waters

## LNG TERMINAL SERVICES



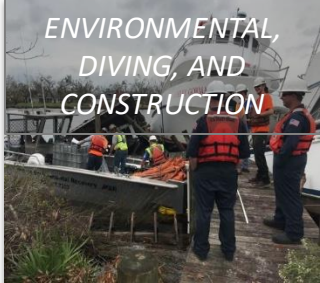
- Leader of LNG ship assistance to North America LNG import/export terminals.
- Awarded majority of the LNG terminal contracts, all subsequently renewed
- Specified tugs to meet terminal requirements
- LNG familiarization and training

## TRANSPORTATION



- Provider of marine transportation services for petroleum and bulk liquid/dry cargoes
- Zero Cargo and lightering Spills
- All vessels are double hull and range in capacity from 40,000 to 160,000 barrels.
- A Fleet of 9 ATB units and 8 conventional barges

## ENVIRONMENTAL, DIVING, AND CONSTRUCTION



- Leading provider of diversified environmental field services
- Experienced in dealing with environmental protection and spill response activities
- Commercial diving including underwater construction and repair

## LNG AND SHIP ASSIST



## TRANSPORTATION



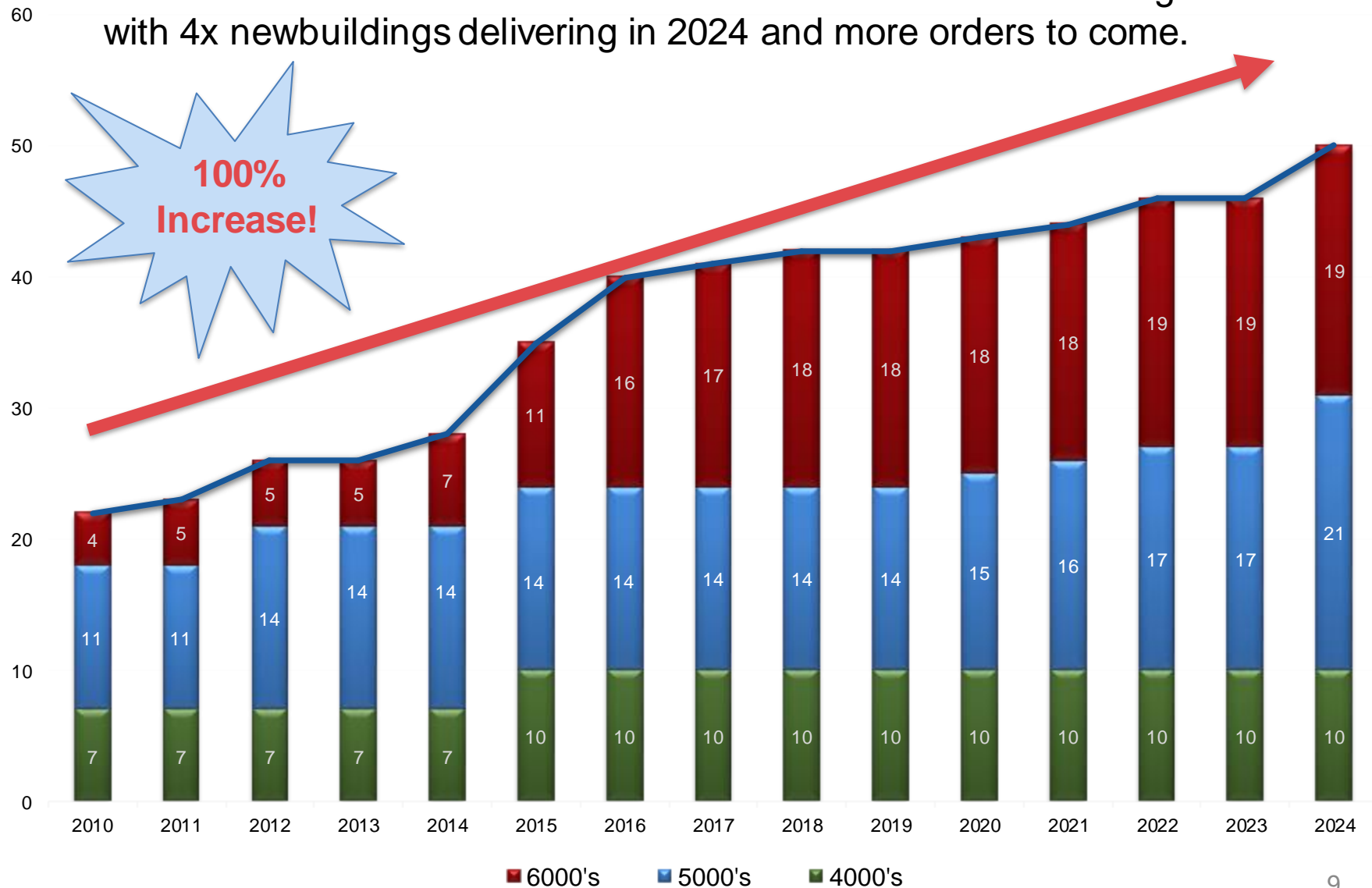
## RELATIONSHIPS

<u>Customer</u>	<u>Years</u>
United States Navy	120
Cunard/Carnival	84
ConEdison	67
Shell	56
Dominion Energy	49
Hess	43
Florida Power & Light	41
Phillips 66 / ConocoPhillips	36
Mediterranean Shipping Co.	31
ConAgra	27
BP	16

Baltimore, MD	Type	HP	New York / New Jersey	Type	HP	Port Arthur & Beaumont TX	Type	HP	Tugs Under Construction	Type	HP
April Moran	ZF	5,100	James D. Moran	Z	6,000	Benson George Moran	ZF	6,700	Paul T. Moran	Z	5,100
Diane Moran	Z	5,100	Jonathan C. Moran	Z	6,000	Eleanor F. Moran	ZF	5,100	George James Moran	Z	5,100
Z-One	Z	4,000	JRT Moran	Z	6,000	Hayley Moran	Z	6,000	MBB Hull 480	Z	5,100
			Kirby Moran	Z	6,000	Andrew Moran	Z	5,100	MBB Hull 481	Z	5,100
Brunswick, GA	Type	HP	Laura K. Moran	Z	5,100	Katie T. Moran	Z	5,100			
Ann Moran	T	3,000	Doris Moran	T	4,610	Cape Ann	T	4,300	Articulated Tugs	Type	HP
Cape Romain	T	3,000	Mary Turecamo	T	3,900				Mariya Moran	AT	6,000
Dorothy Moran	T	3,000	Kimberly Turecamo	T	3,000				Leigh Ann Moran	AT	6,000
			Margaret Moran	T	3,000	Portsmouth, NH	Type	HP	Barbara Carol Ann Moran	AT	5,100
Charleston, SC	Type	HP	Miriam Moran	T	3,000	Drum Point	M	3,005	Mary Ann Moran	AT	5,100
Elizabeth Turecamo	Z	6,140	Marie J. Turecamo	T	2,250	Town Point	M	3,005	Linda Moran	AT	5,100
James A. Moran	Z	6,000	James Turecamo	T	1,700	Handy Four	T	3,400	Lois Ann L. Moran	AT	5,100
Wyatt Moran	Z	5,100			Handy Three	T	3,200	Pati R. Moran	AT	5,100	
Mark Moran	Z	5,100	Norfolk/Hampton Roads, VA	Type	HP				Scott Turecamo	AT	5,100
			Clayton W. Moran	ZF	6,000	San Juan, Puerto Rico	Type	HP	Barney Turecamo	AT	5,100
Jacksonville, FL	Type	HP	Maxwell Paul Moran	ZF	6,000	Gramma Lee T. Moran	Z	5,100			
Capt. Jimmy T. Moran	Z	5,100	James R. Moran	ZF	5,100	Cape Henry	T	3,900			
Cathleen E. Moran	T	3,200	Kaye E. Moran	ZF	5,100						
Harriet Moran	M	3,005	Lynne Moran	ZF	5,100	Savannah, GA	Type	HP			
Sewells Point	M	3,005	Jan Moran	Z	6,800	Edward J. Moran	ZF	6,500			
			Fort Bragg	Z	4,400	Cooper Moran	ZF	6,000	Legend		
Miami, FL	Type	HP	Karen Moran	Z	4,200	Jack T. Moran	ZF	6,000	ZF - ASD Tractor Tug with (FiFi-1)		
George T. Moran	Z	6,000	Kerry Moran	Z	4,200	Dennis Moran	Z	5,100	Z - ASD Tractor Tug		
Payton G. Moran	Z	6,000	Marci Moran	Z	4,200				M - Mortrac Tug		
			Patricia Moran	Z	4,200	Wilmington, NC	Type	HP	T- Twin Screw, Conventional Tug		
Morehead City, NC	Type	HP	Surrie Moran	Z	4,200	Cape Cod	T	3,900	S - Single Screw, Conventional Tug		
Cape Henlopen	T	3,000	Susan Moran	Z	4,200	Cape Charles	T	3,000	AT - Twin Screw, Articulated Tug		
Mary M. Coppedge	T	3,200	Tracy Moran	Z	4,200						
Fort Macon	S	1,600	Wendy Moran	Z	4,200	LNG Tugs Under Charter	Type	HP			
						Judy Moran	ZF	6,700			
New Orleans, LA	Type	HP	Philadelphia, PA	Type	HP	SMBC Mexicali	ZF	6,600			
Lizzy B. Moran	ZF	5,100	Annabelle Dorothy Moran	Z	5,100	SMBC Tijuana	ZF	6,600			
Shiney V. Moran	Z	5,100	Brendan Turecamo	T	3,900	SMBC Monterrey	ZF	6,600			
Jean Turecamo	T	4,300	Bart Turecamo	T	3,000	SMBC Rosarito	ZF	6,600			
Greg Turecamo	T	3,900				Loretta B. Moran	ZF	6,000			
Joan Turecamo	T	3,900				Catherine C. Moran	ZF	6,000			
Valentine Moran	T	3,520									
Mary Moran	T	3,000									



Moran's Tractor Fleet has doubled since 2011 and continues to grow with 4x newbuildings delivering in 2024 and more orders to come.



## Newbuildings 1 and 2

Builder: Washburn & Doughty

Delivery: 2024

## Newbuildings 3 and 4

Builder: Master Boat Builders

Delivery: 2024

LOA: 86 feet

Beam: 36 feet

Bollard Pull: 68 tons

Drive: Twin Z Drive

Horsepower: 5,100

Emissions Control: EPA Tier 4

Escort Rated, State-of-the-Art

Emissions Control, Firefighting

Capability

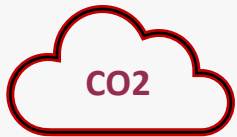




LED lighting is being phased into 100+ marine assets and 18 company offices to increase energy efficiency



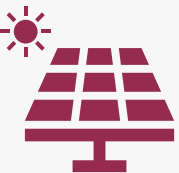
All newbuild tugs have been equipped with EPA Tier 4 standards to reduce NOx, particulates, and SOx emissions



Tugs are remotely speed monitored to maximize efficiency in the reduction of CO2 emissions. Moran has realized a 22% decrease (15,066 MT) in CO2 emissions since 2017



All tugs equipped with shore power capabilities to reduce emissions when at the company pier



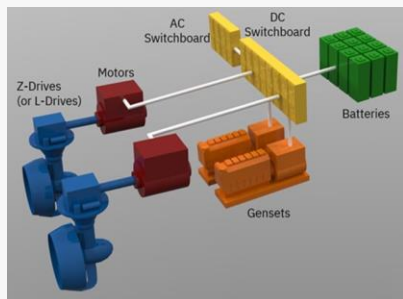
Solar installations have been installed in offices to offset fleet emissions

From the President to local port management, we are actively engaged in multiple organizations dedicated to environmental preservation.

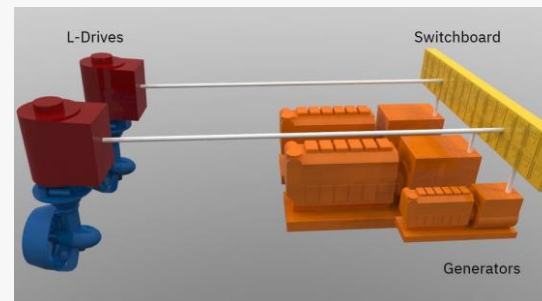




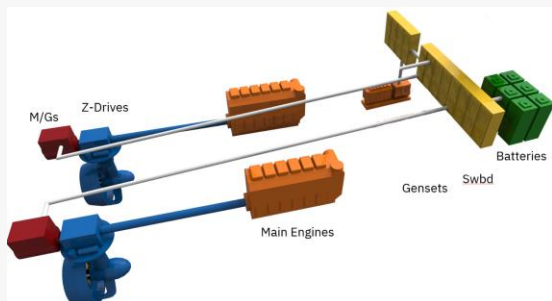
## Next generation tug technology can provide zero emissions



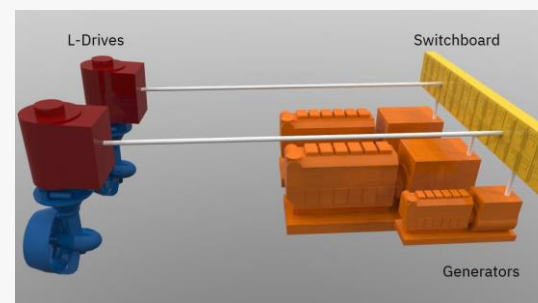
All-electric (battery-powered) tugboats may soon be prevalent



Energy management systems integrate sensor, engine, and tow loads to optimize energy usage



Hybrid (diesel + battery) designs are under development



Future retrofits potentially replace diesel with CNG, LNG, LPG, or propane fueled engines

Moran has served the Port of San Juan since 2015. The business has grown to handle over 700 ships per year, including LNG carriers, cruise vessels, and containerships.

The San Juan fleet consists of a modern, 5,100 hp tractor capable of precisely maneuvering the largest vessels assisted by a twin-screw 3,900 tug.

Our team in San Juan takes pride in providing a crucial link in connecting the Island to the world.



**Gramma Lee T.  
Moran**  
Twin Screw Z-Drive  
5,100 HP



**Cape Henry**  
Twin Screw  
3,900 HP