



OUR PEOPLE MAKE THE DIFFERENCE



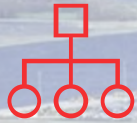
KATOEN NATIE

A new Area of North America Export Logistics

A Packagers Perspective

12-9-2023

FACTS & FIGURES



Structure
Privately owned
company



Headquarters
Antwerp, Belgium



Turnover
€ 2.000.000.000



Employees
18.000



Countries
40



Logistics platforms
>180

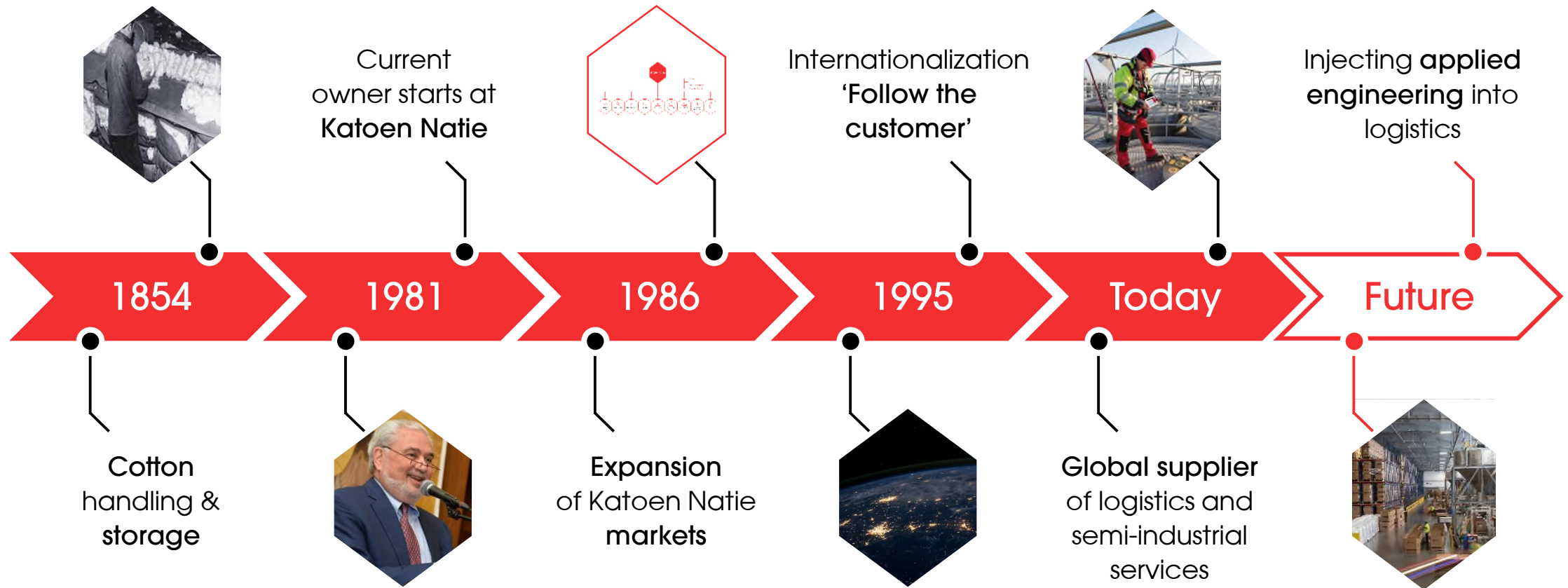


Covered warehouse
capacity
> 6.000.000 m²

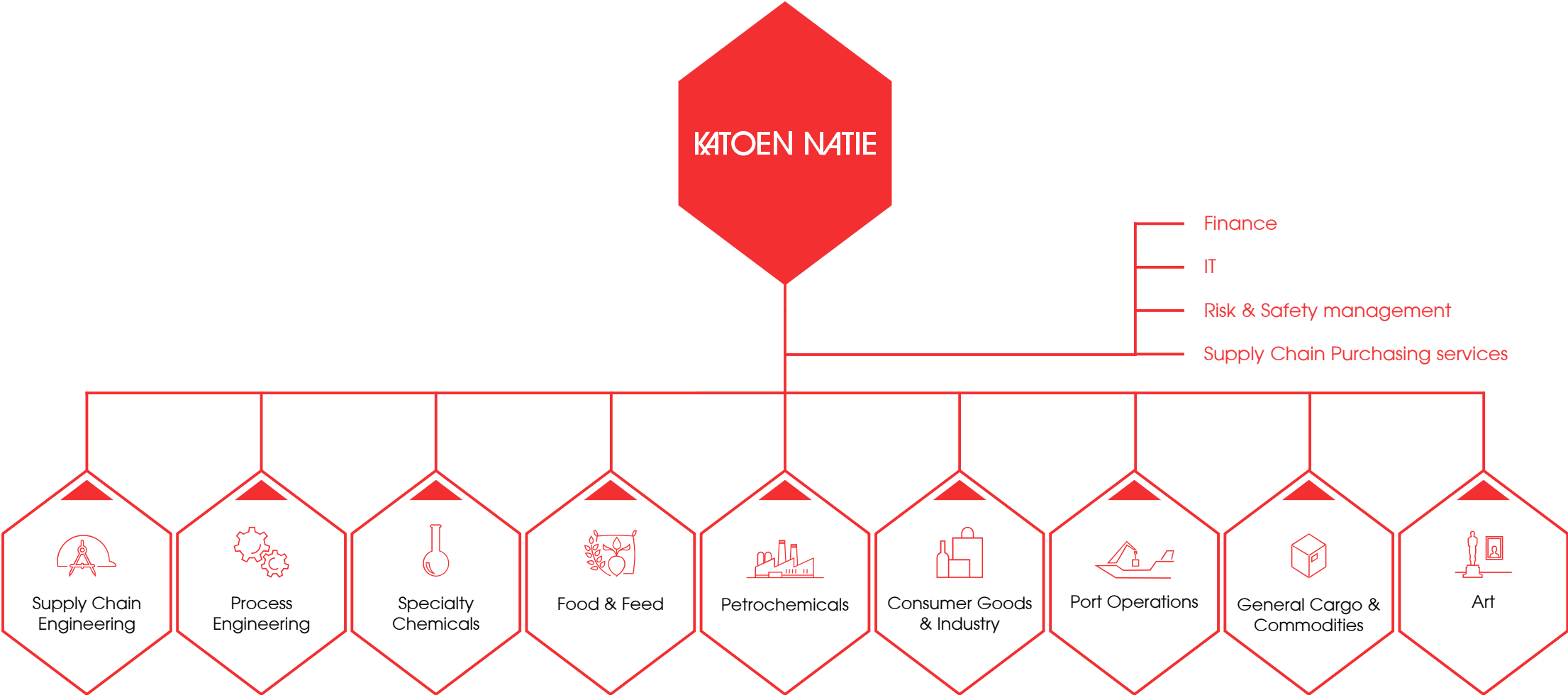


Number of silos
> 3.700

HISTORY (SUMMARY)



OUR ORGANISATION



Business units

OVERVIEW



Supply chain
engineering



Process
engineering



Petro
chemicals



Food
& feed



Specialty
chemicals



Consumer goods
& industry



Port
operations



General cargo
& commodities

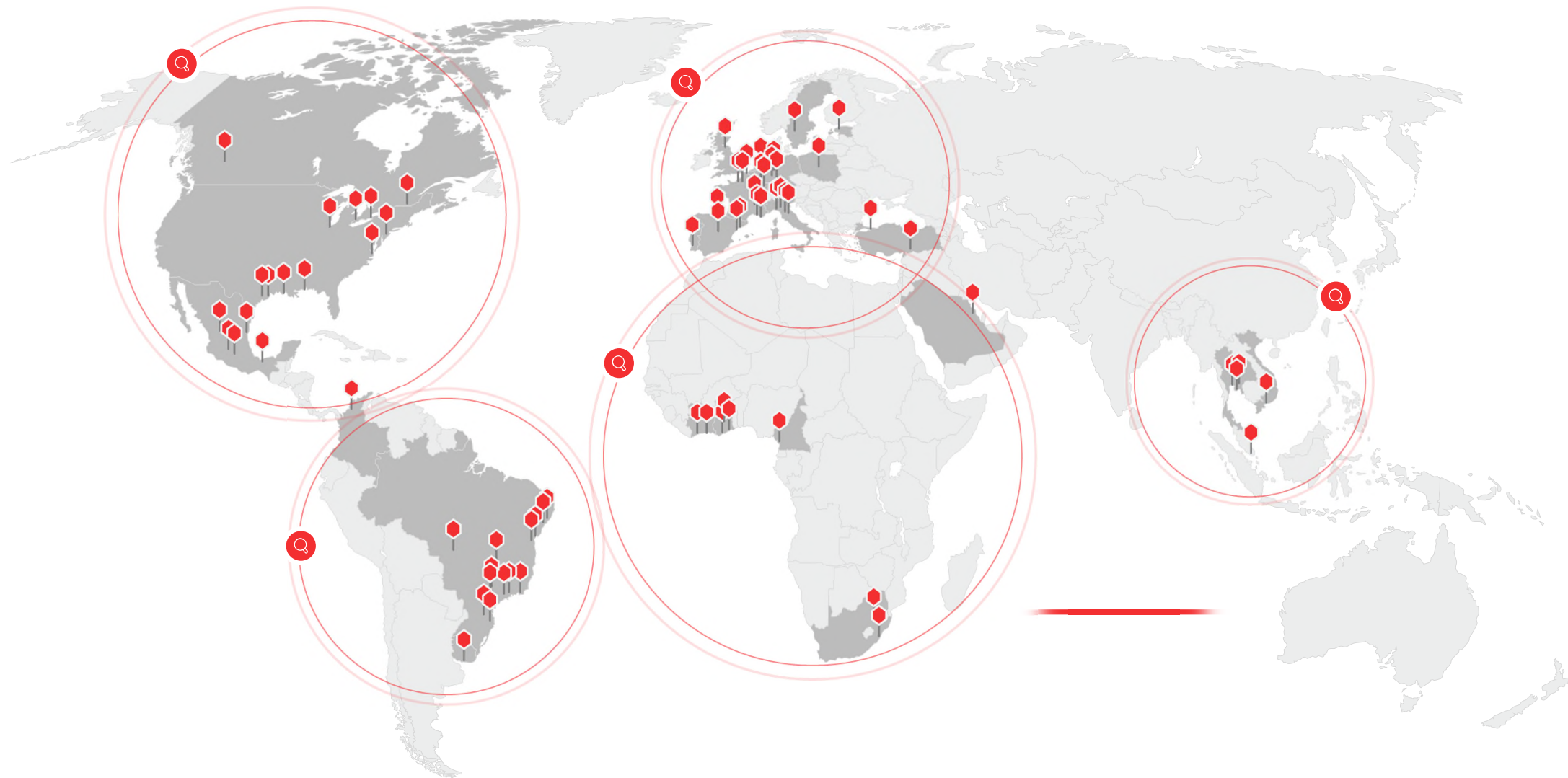


Art



Introduction

OUR WORLD



Logistics Challenges compared 2015 - 2023

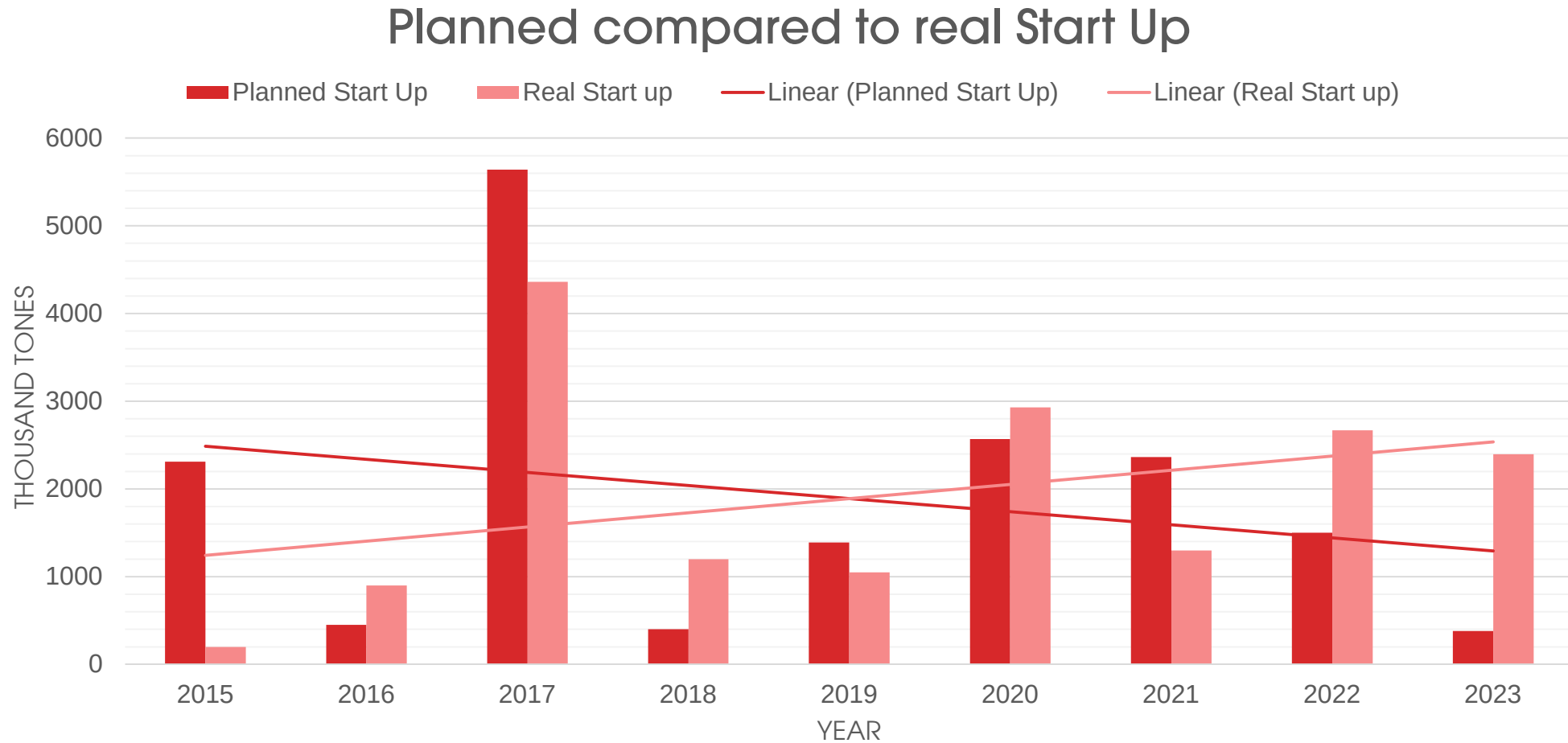


ADDED POLYMER CAPACITY 2015 - 2023

Producer	Wave	Project	Product	Volume (MT)	Original Expected Operational	Actual Operational
Westlake	1	Lake Charles, LA	PE	200,000	Q1 2015	Q3 2015
Braskem	1	Coatzacoalcas, Mexico	PE	1,200,000	Q2 2015	Q2 2017
Shintech	1	Plaquemine, LA	PVC	450,000	Q3 2015	Q2 2016
SASOL - INEOS	1	La Porte, TX	PE	460,000	Q4 2015	Q1 2017
Nova Chemical	1	Joffre, Canada	PE	450,000	Q1 2016	Q4 2016
LyondellBasell	2	Hyperzone, La Porte, TX	PE	540,000	Q1 2017	Q1 2020
Dow Chemical	1	Freeport, TX	PE	1,000,000	Q1 2017	Q3 2017
Chevron	1	Sweeney, TX	PE	1,200,000	Q4 2017	Q1 2018
ExxonMobil	1	NAG, Mont Belvieu, TX	PE	1,300,000	Q2 2017	Q2 2017
Dow Chemical	1	Plaquemine, LA	PE	400,000	Q2 2017	Q4 2017
SASOL	2	Lake Charles, LA	PE	1,200,000	Q2 2017	Q4 2020
Formosa	2	Point Comfort, TX	PE	400,000	Q3 2018	Q4 2020
Formosa	2	Point Comfort, TX	PE	400,000	Q1 2019	Q3 2019
Westlake	2	Geismar, LA	PVC	340,000	Q4 2019	Q1 2020
ExxonMobil	2	BPEX, Beaumont, TX	PE	650,000	Q2 2019	Q3 2019
Shintech	2	Plaquemine, LA	PVC	370,000	Q4 2020	Q4 2022
Shell	2	Monaca, PA	PE	1,500,000	Q2 2020	Q4 2022
Braskem	2	La Porte, TX	PP	450,000	Q2 2020	Q3 2020
Formosa	2	Point Comfort, TX	PP	250,000	Q3 2020	Q4 2022
SABIC	2	GCGV, Corpus Christi	PE	650,000	Q2 2021	Q3 2021
ExxonMobil	2	GCGV, Corpus Christi	PE	650,000	Q2 2021	Q3 2021
Inter Pipeline	2	Redwater, Alberta	PP	550,000	Q3 2021	Q4 2022
ExxonMobil	2	BCEP, Baytown, TX	SEB	400,000	Q3 2021	Q3 2023
ExxonMobil	2	Baton Rouge, LA	PP	450,000	Q4 2022	Q1 2023
				<u>15,460,000</u>	<u>COMPLETED</u>	
Ineos Styrolution	2	ESPN, Bayport, TX	ASA/SAN	115,000	Q3 2021	Expected Q3 2023
Baystar (Total/Bor	2	Bayport, TX	PE	600,000	Q2 2022	Expected late Sept 2023
Nova Chemical	2	Sarnia, Lambton	PE	450,000	Q3 2022	Expected Q3 2023
Shintech	2	Plaquemine, LA	PVC	380,000	Q2 2023	Expected Q2 2024
				<u>1,430,000</u>	<u>UNDER CONSTRUCTION</u>	

32% of the projects were build on Time

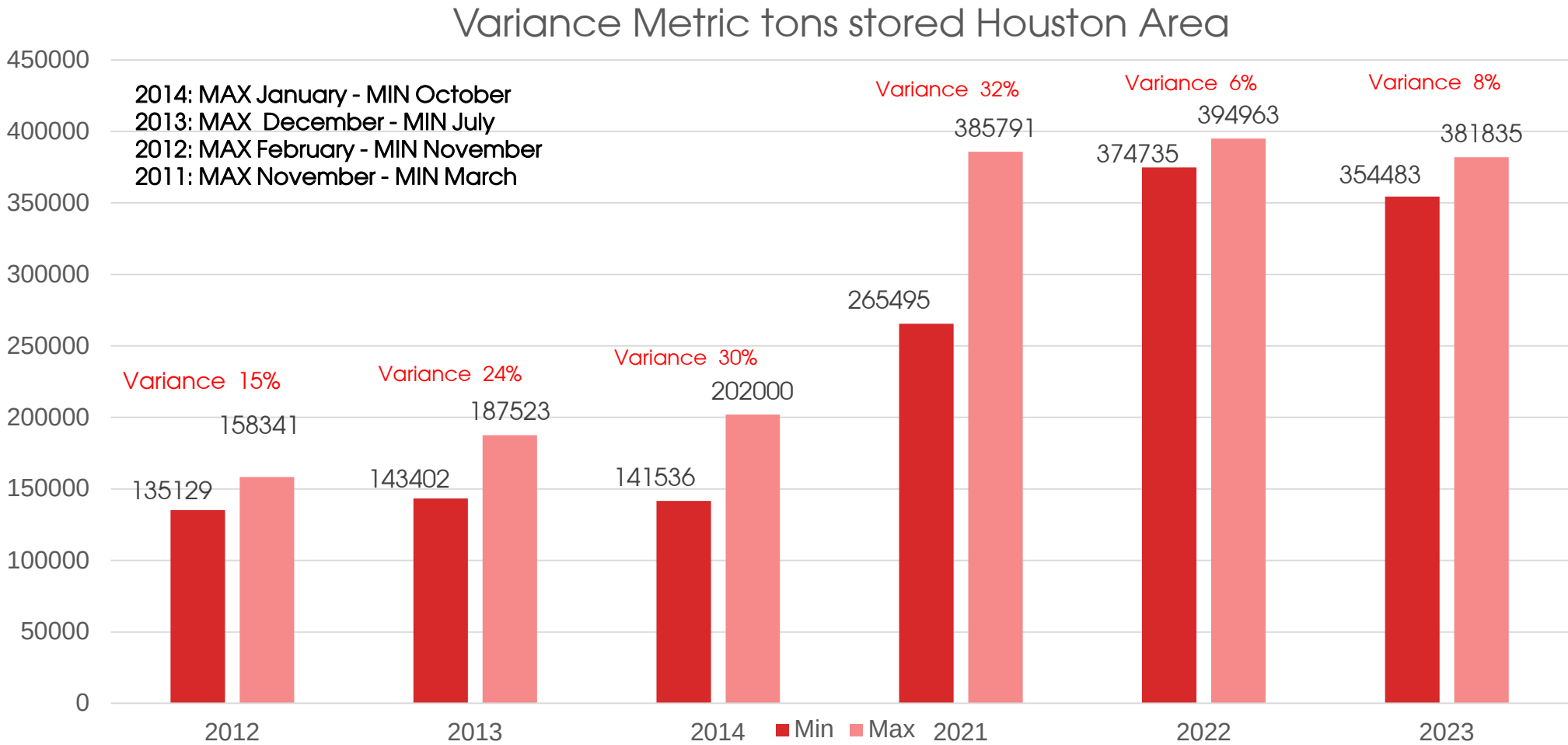
HISTORICAL START UP DATA



LOGISTIC CHALLENGES 2015 - 2023

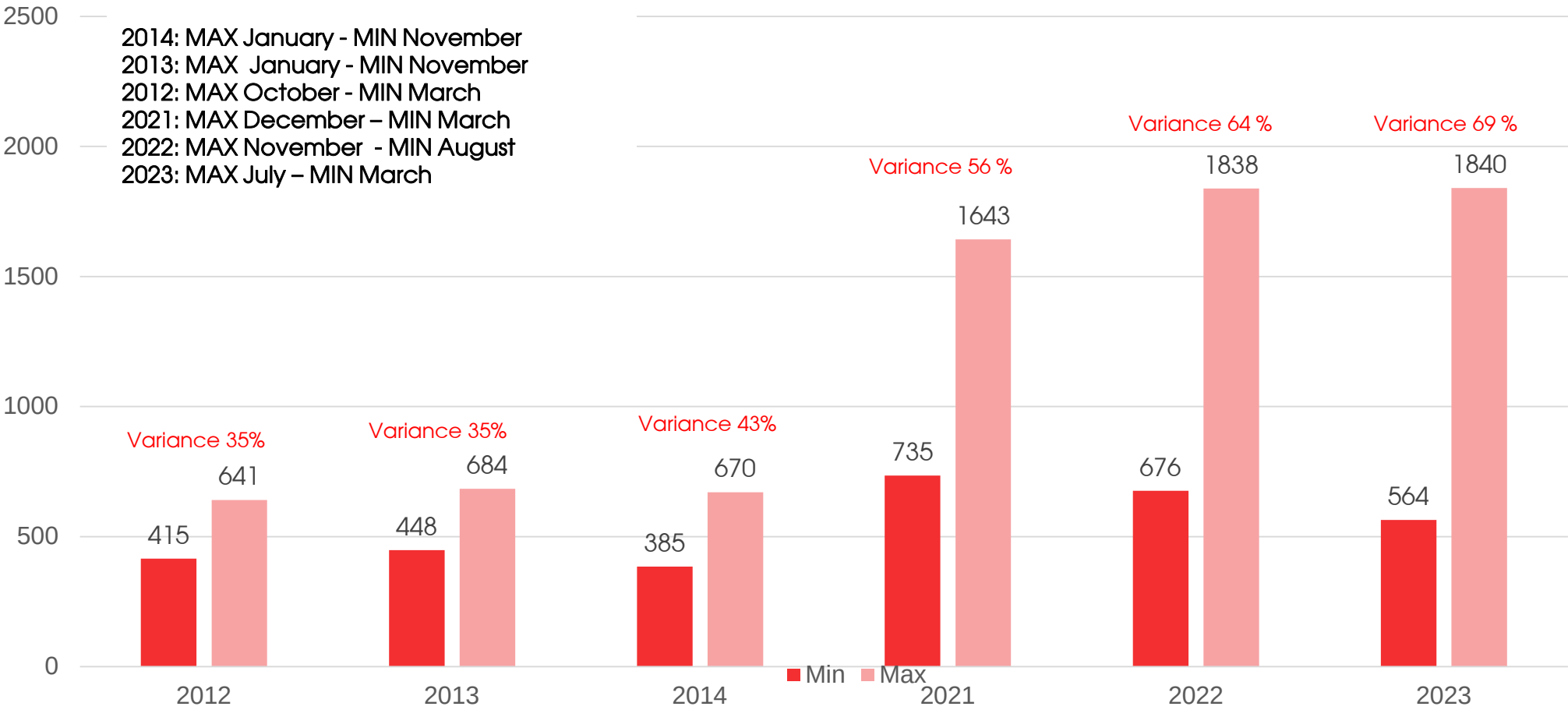
- Weight restrictions in Texas (84,000 lbs max gross weight)
 - Container availability
 - Truck driver shortage
 - Chassis availability
 - Port congestion
 - Waiting times to deliver containers
 - Rail congestion (Demurrage and Detention)
 - Fluctuating Volumes
- Resolved
 - Under control
 - Continued Challenge

FLUCTUATING VOLUMES



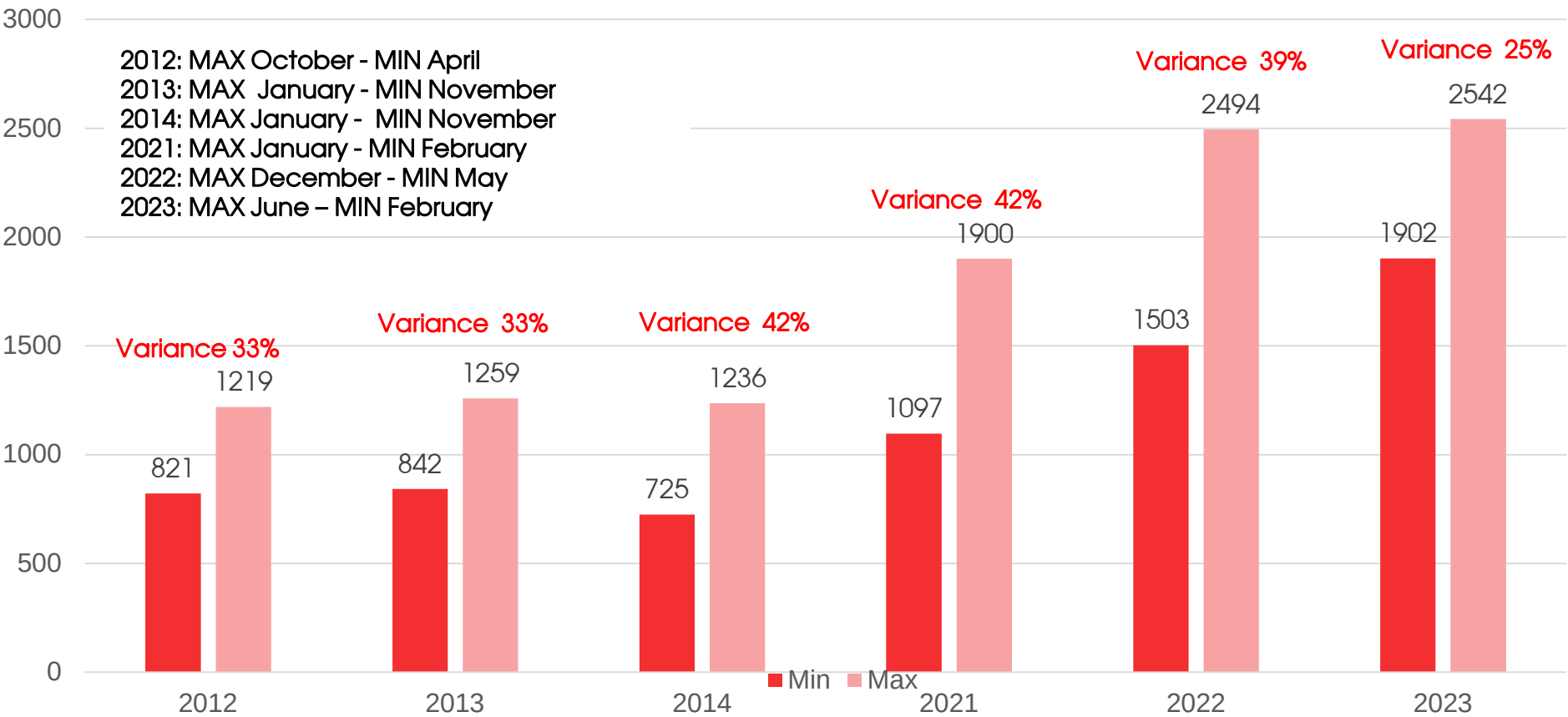
FLUCTUATING VOLUMES

Railcars onsite Houston Area



FLUCTUATING VOLUMES

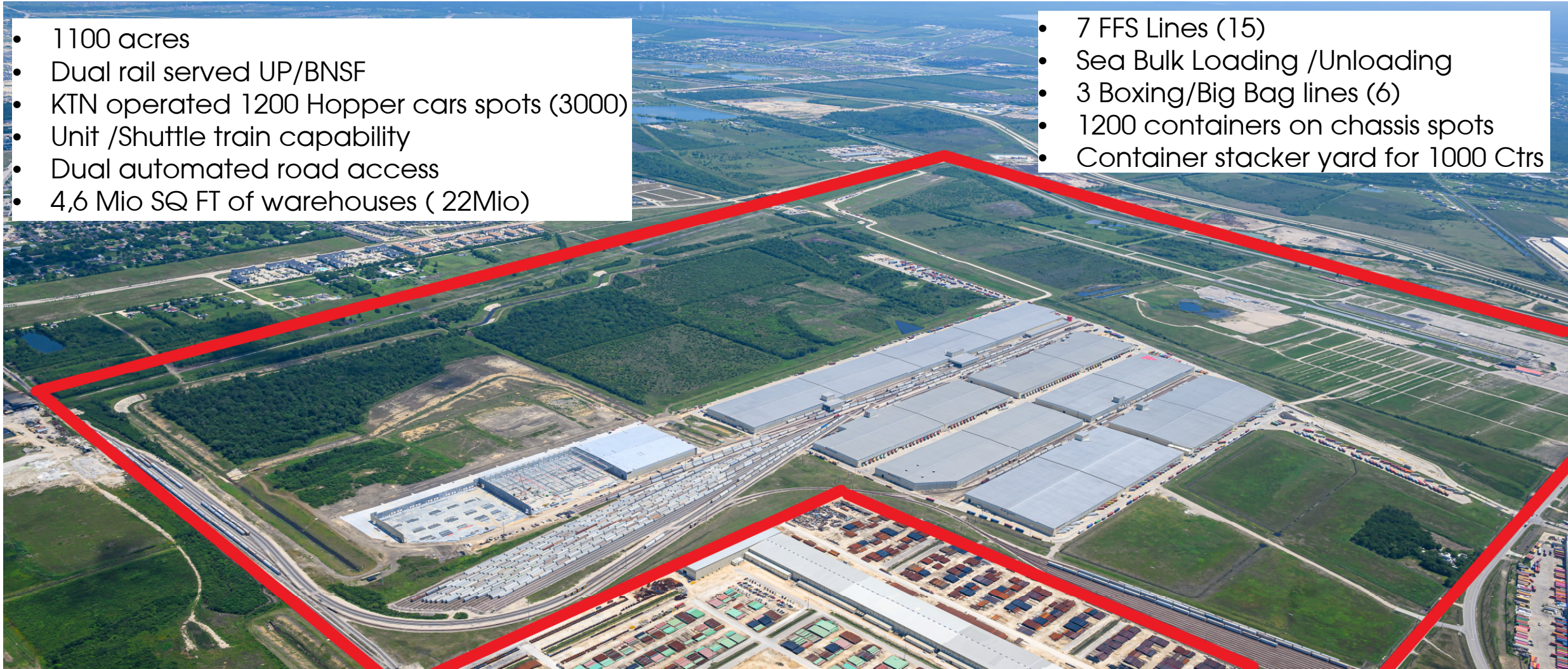
Railcars Packaged Houston Area



KATOEN NATIE APPROACH : LARGE INTEGRATED SITES

- 1 100 acres
- Dual rail served UP/BNSF
- KTN operated 1200 Hopper cars spots (3000)
- Unit /Shuttle train capability
- Dual automated road access
- 4,6 Mio SQ FT of warehouses (22Mio)

- 7 FFS Lines (15)
- Sea Bulk Loading /Unloading
- 3 Boxing/Big Bag lines (6)
- 1200 containers on chassis spots
- Container stacker yard for 1000 Ctrs



KATOEN NATIE FUTURE BUSINESS GROWTH ADVANTAGE :

- Solid quality and performance reputation within the petrochemical Industry
- Well Trained Reliable Stable work force
- Proven technology to handle big volumes at expedited pace
- Land to expand
- Ability to handle Unit Trains in the future





KATOEN NATIE