

Silicones

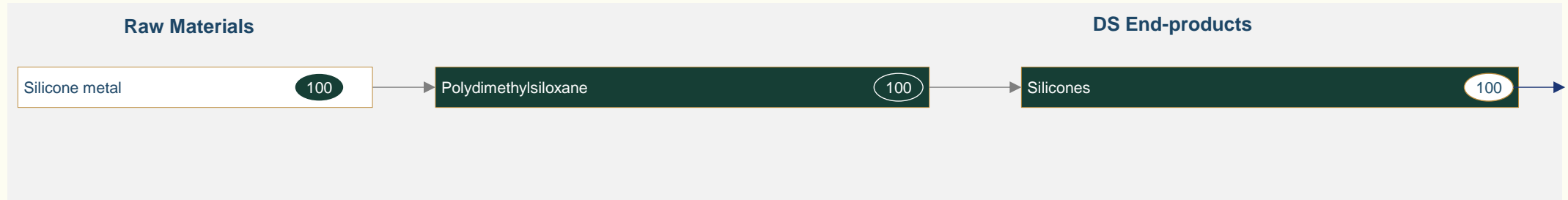
Silicones

	Product	Non captive volume, KTA	Total volume, KTA	Location	Key Driver
Key metrics 	Silicon metal		100	Yanbu	KSA demand growth for silicone is expected to be driven by construction sector
	Polydimethylsiloxane		100		
	Silicones	100	100		
	Total volume	100	300		

Value chain



Integrated case
x Raw Materials
 xxx end products
 → Sold to market
 xx Captive capacity
 xx Non-captive capacity



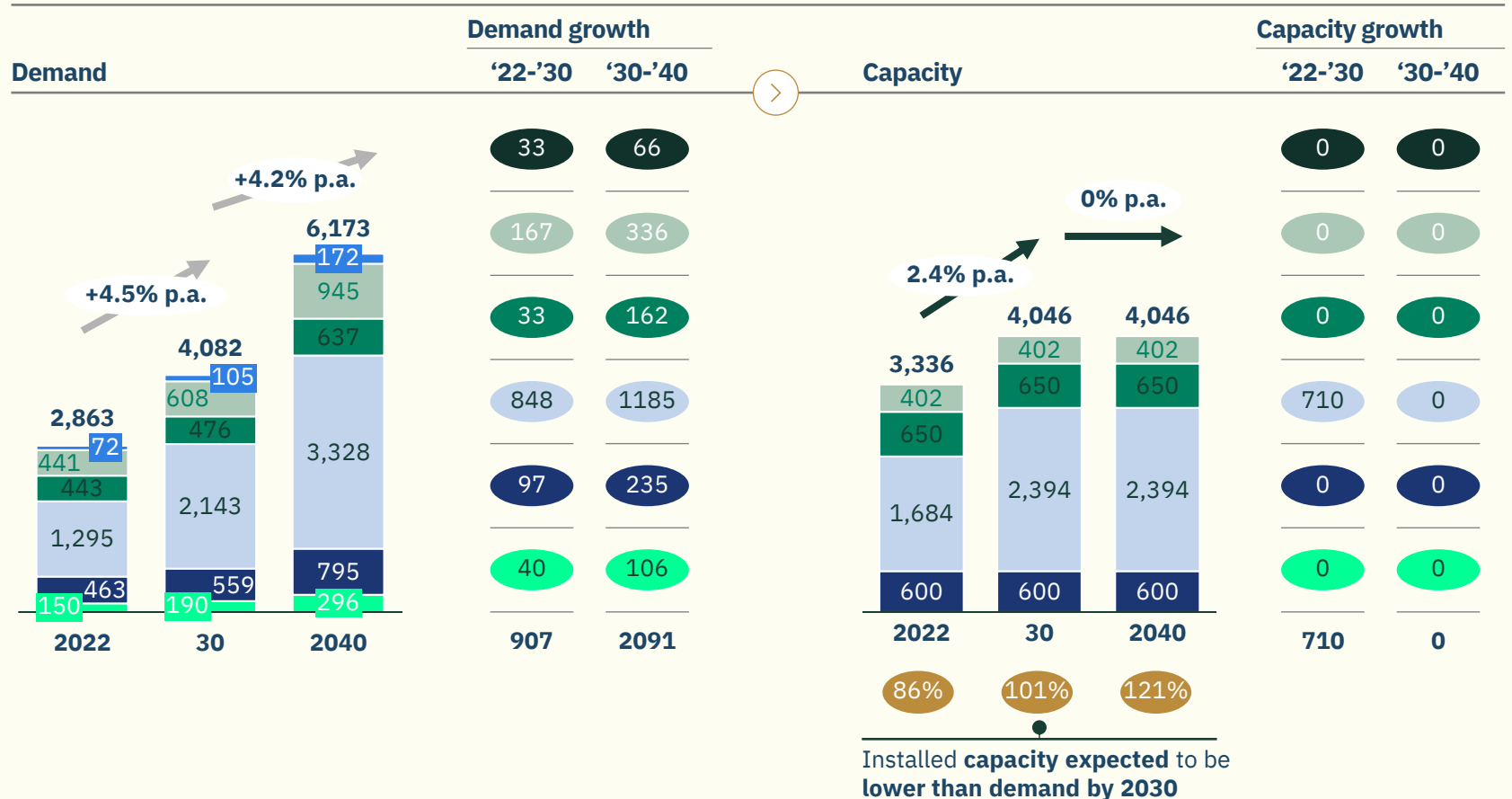
Exemplary players



Global demand for silicones is expected to grow faster than capacity in 2022 - 2040

xx% Estimated Utilization rate, % ■ Middle East¹ ■ Asia² ■ Europe ■ China ■ North America ■ RoW

Global silicone demand / capacity, KTA



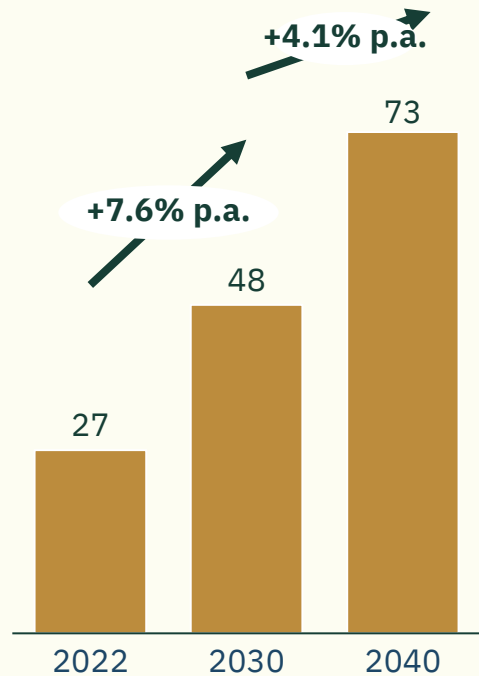
Key takeaways

- Addressable demand³ for silicones by 2030 is ~508 KTA, coming from:
 - Middle East 33 KTA
 - Asia 167 KTA
 - Europe 33 KTA
 - China 138 KTA
 - North America 97 KTA
 - RoW 40 KTA
- Installed capacity globally is expected to be lower than demand by 2030, providing room for additional investments
- Additional gap of ~2091 KTA by 2040 expected considering projected growth

1. Includes Iran, Israel, Kuwait, Oman, Qatar, KSA, Syria, UAE, Turkey | 2. Excluding China | 3. Calculated as demand growth – capacity growth if demand growth > capacity growth, otherwise 0 (except for Middle East, where KSA growth can always be captured)

KSA demand growth for silicone is expected to be driven by construction sector

KSA silicone demand projection, KTA



1.Global Share

xx% Share of demand covered by the application¹, %

Demand drivers	End market (application)	Demand outlook, KTA	CAGR '22-'30, %	CAGR '30-'40, %
27%	Construction	7, 14, 26	9%	6%
26%	Industrial Manufacturing	7, 11, 13	6%	2%
21%	Personal Care	6, 7, 10	3%	3%
10%	Automotive	3, 9, 17	17%	6%
7%	Consumer	2, 2, 3	3%	3%
7%	Electrical	2, 3, 4	6%	2%
2%	Textiles	1, 1, 1	3%	3%

Key takeaways

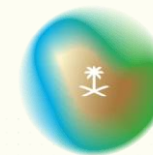
KSA represents 1% of global demand and expected to grow at 7.6% CAGR by 2030

Afterwards the growth is expected to decrease to 4.1% by 2040

Key drivers of growth in KSA is:

- **Construction sector** with a 9% CAGR between 2022-30
- **Industrial manufacturing sector** with a 6% CAGR between 2022-30
- **Personal care sector** with a 3% CAGR between 2022-30

KSA demand is expected to grow faster than global to 2030 (~7.6% KSA vs. 4.5% global CAGR '22-'30)



Thank You