



THE FUTURE IS WORTH IT

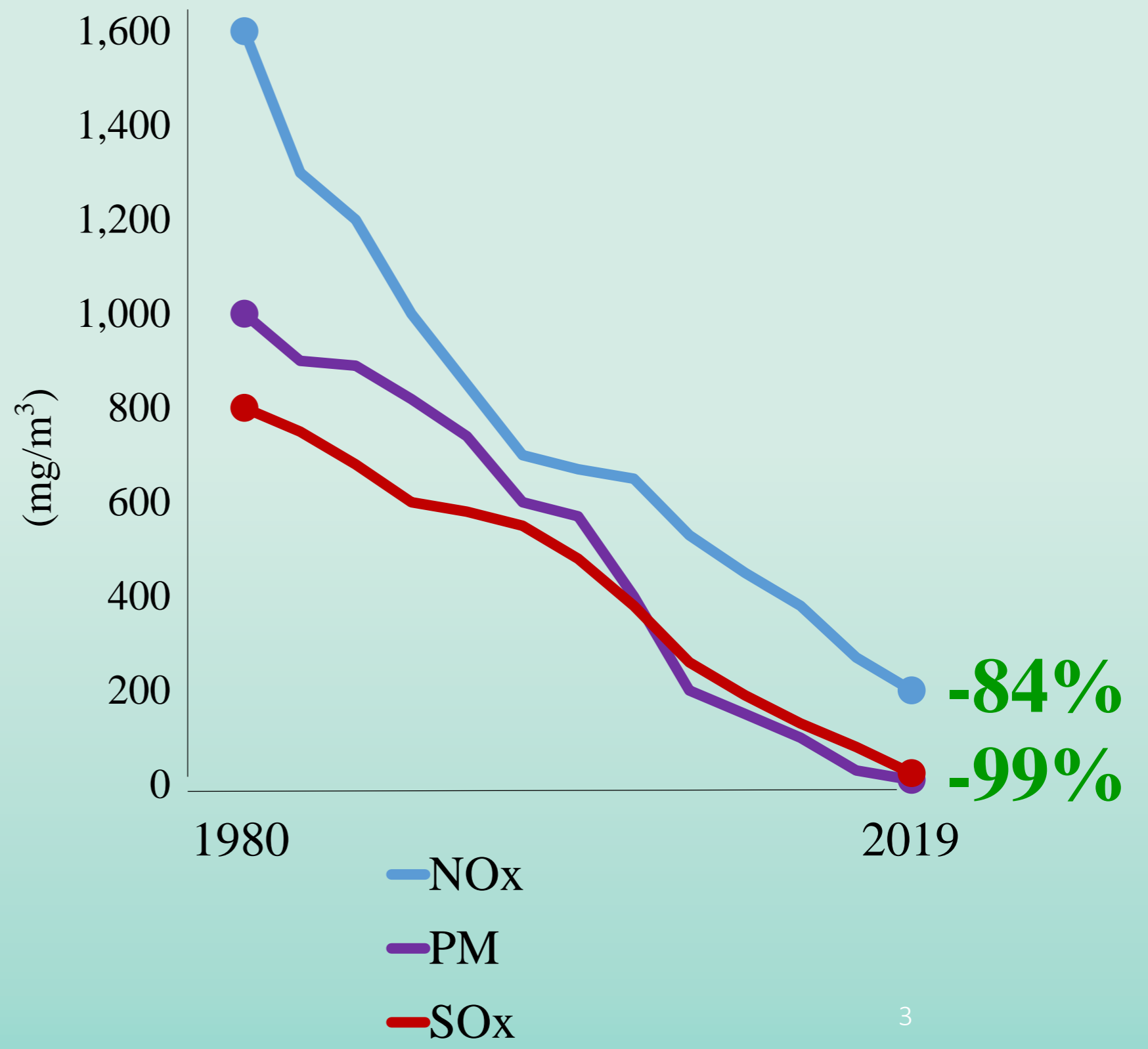
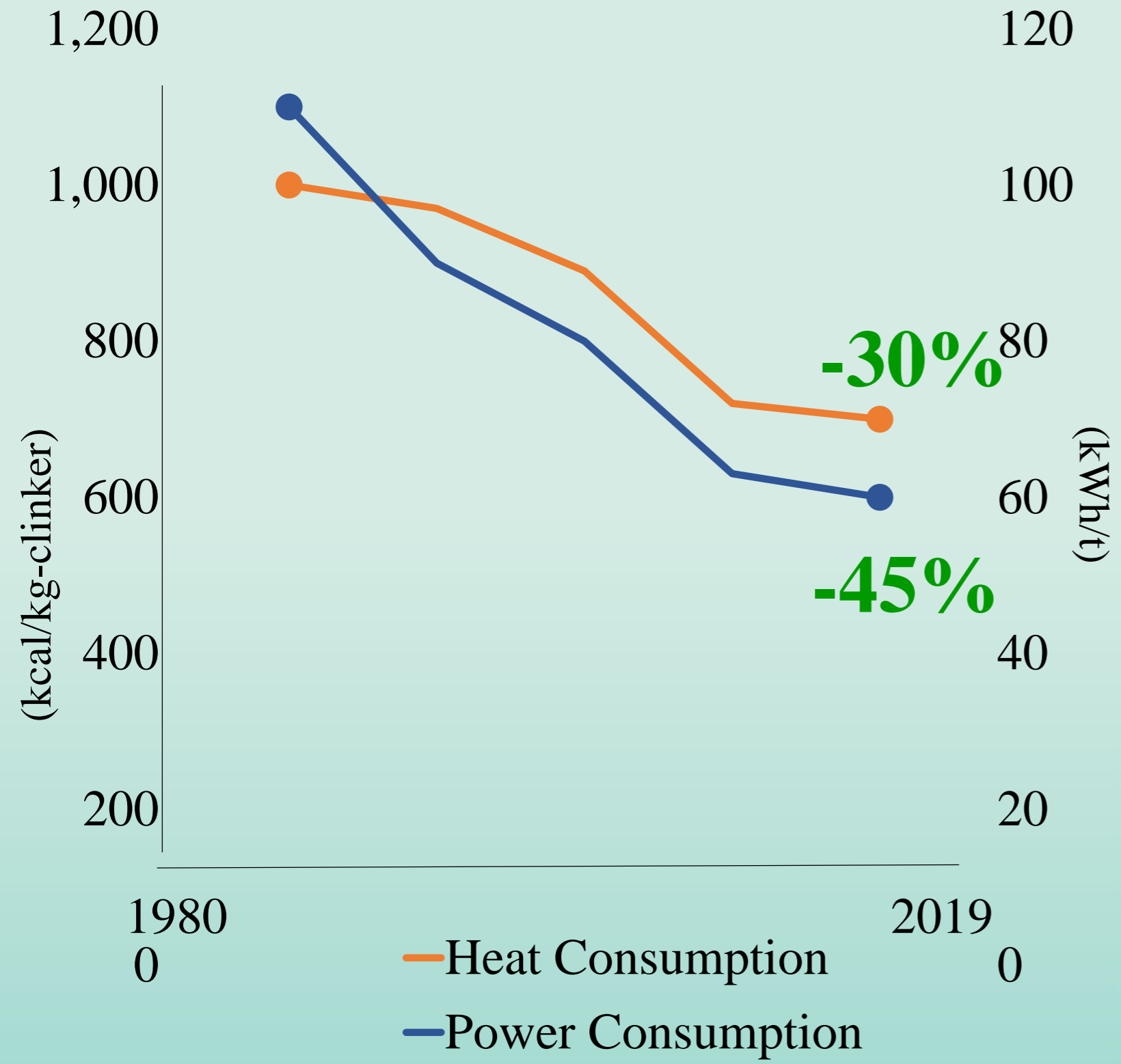
2019 Q1 TCC GROUP



Cement and the Blue Magpie

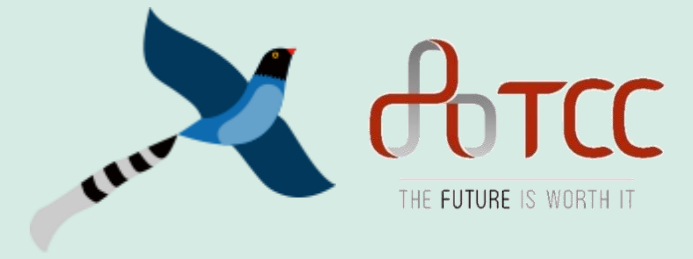


The Green Pursuit

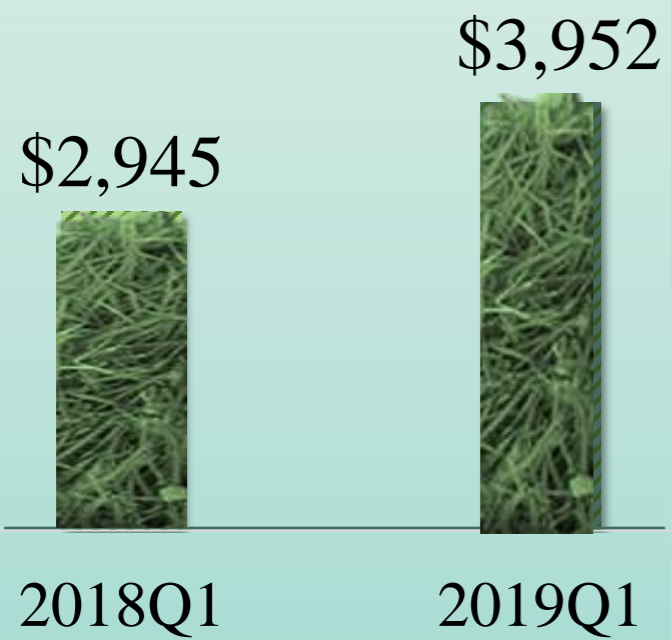


2019Q1 Net Income

Unit: NTD/ Million



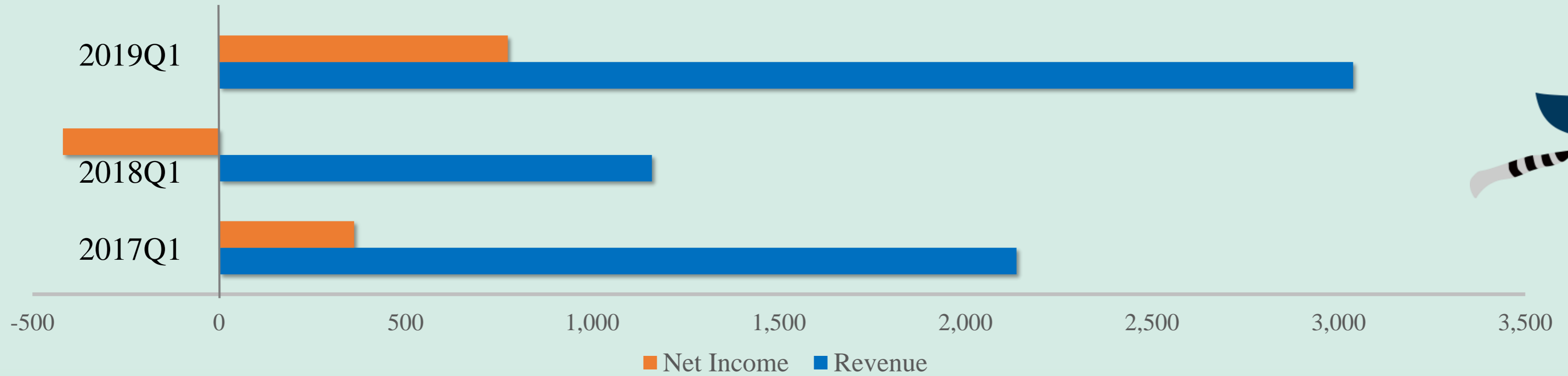
	Cement		Power		Others
2018	17,324	↑318.2%	1,496	↓21.1%	2,361
2017	4,143		1,897		1,554



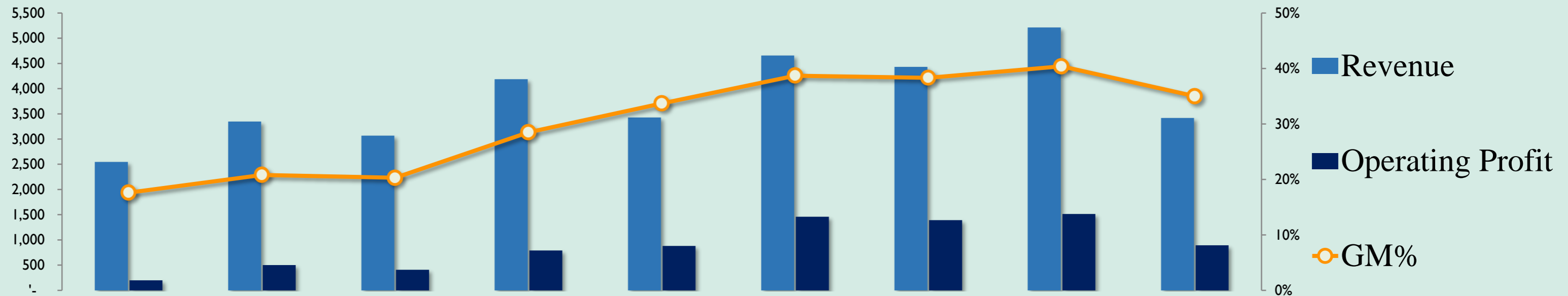
	Cement		Power		Others
2019Q1	2,907	↑0.8%	449	↑300.5%	596
2018Q1	2,884		(224)		285

Ho-Ping Power

Unit: Million NTD



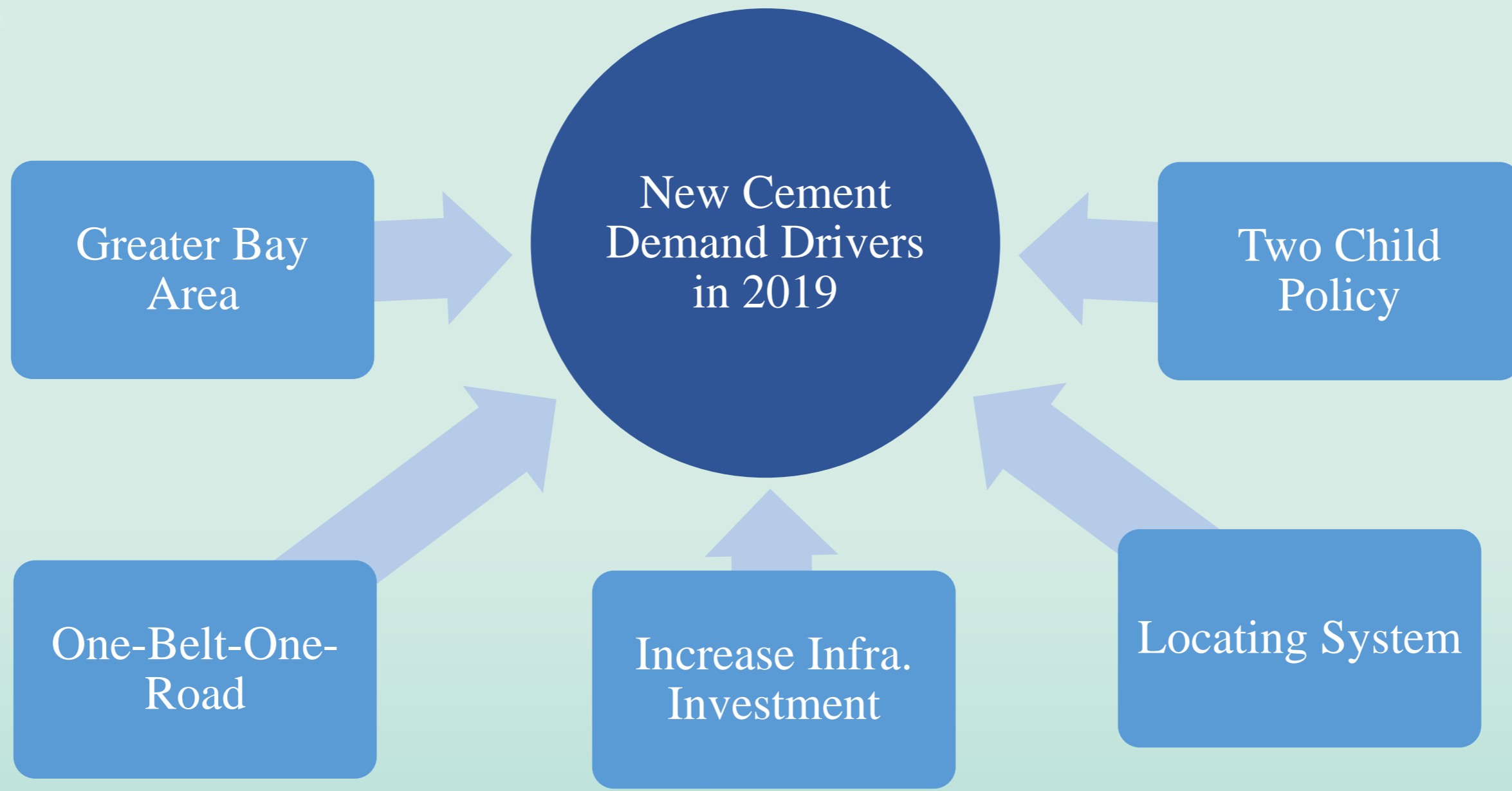
GP Per Ton in Mainland China



	17Q1	17Q2	17Q3	17Q4	18Q1	18Q2	18Q3	18Q4	19Q1
Sales Volume (Mil Tons)	10.9	14.0	13.2	15.5	11.4	14.9	14.0	15.9	10.6
Revenue (RMB Mil)	2,545	3,348	3,068	4,186	3,429	4,656	4,430	5,212	3,419
GP Per Ton	38.7	46.5	44.7	71.9	101.1	120.6	120.9	132.7	112.8
Operating Profit	200	502	407	792	882	1,461	1,391	1,515	893
GM%	17.6%	20.8%	20.3%	28.5%	33.7%	38.7%	38.3%	40.4%	35.0%

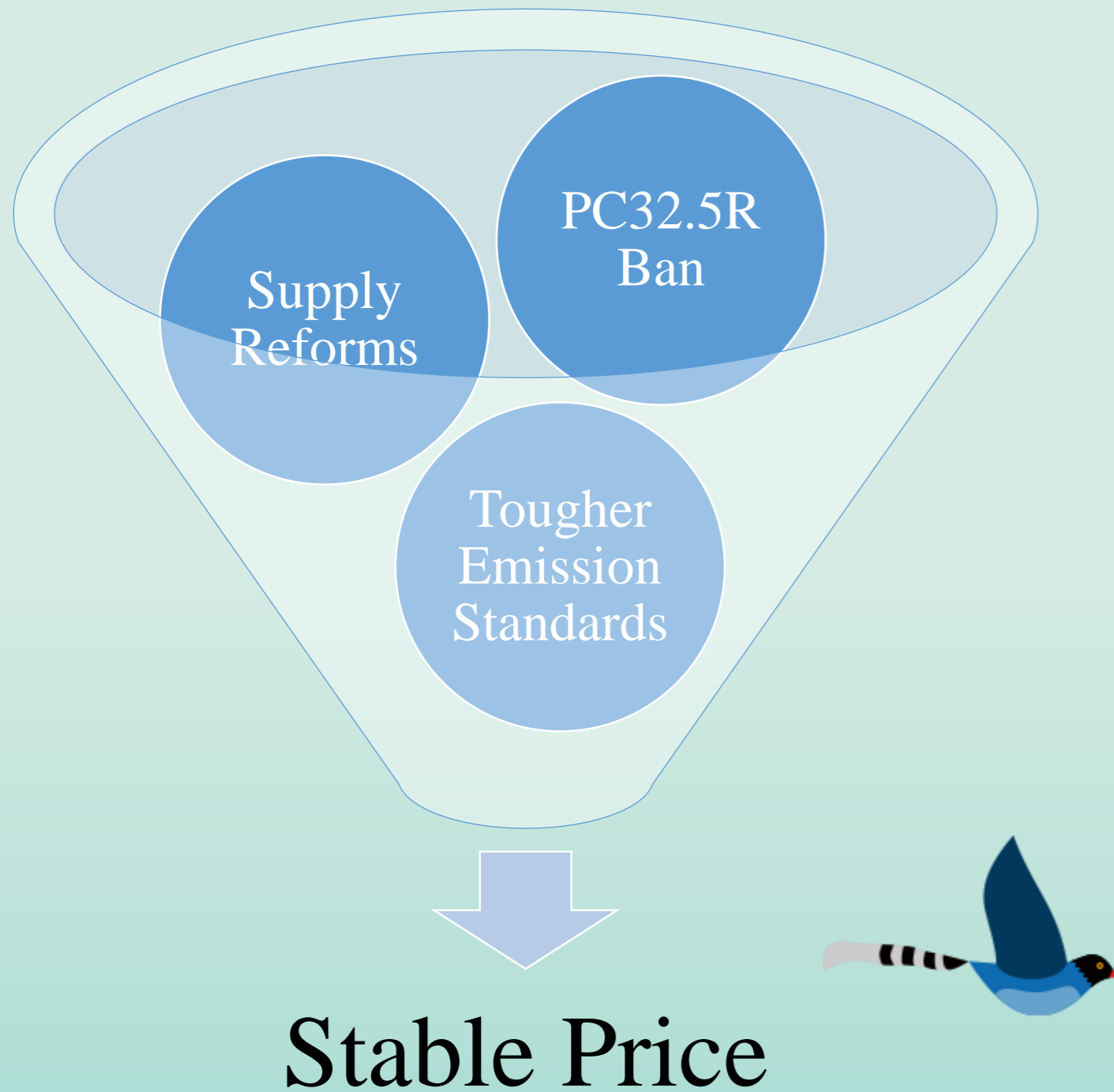
Operating Profits = (Revenue – COGS – Operating Expense)
 Price Increase => Profit Growth

Mainland China Market: Demand

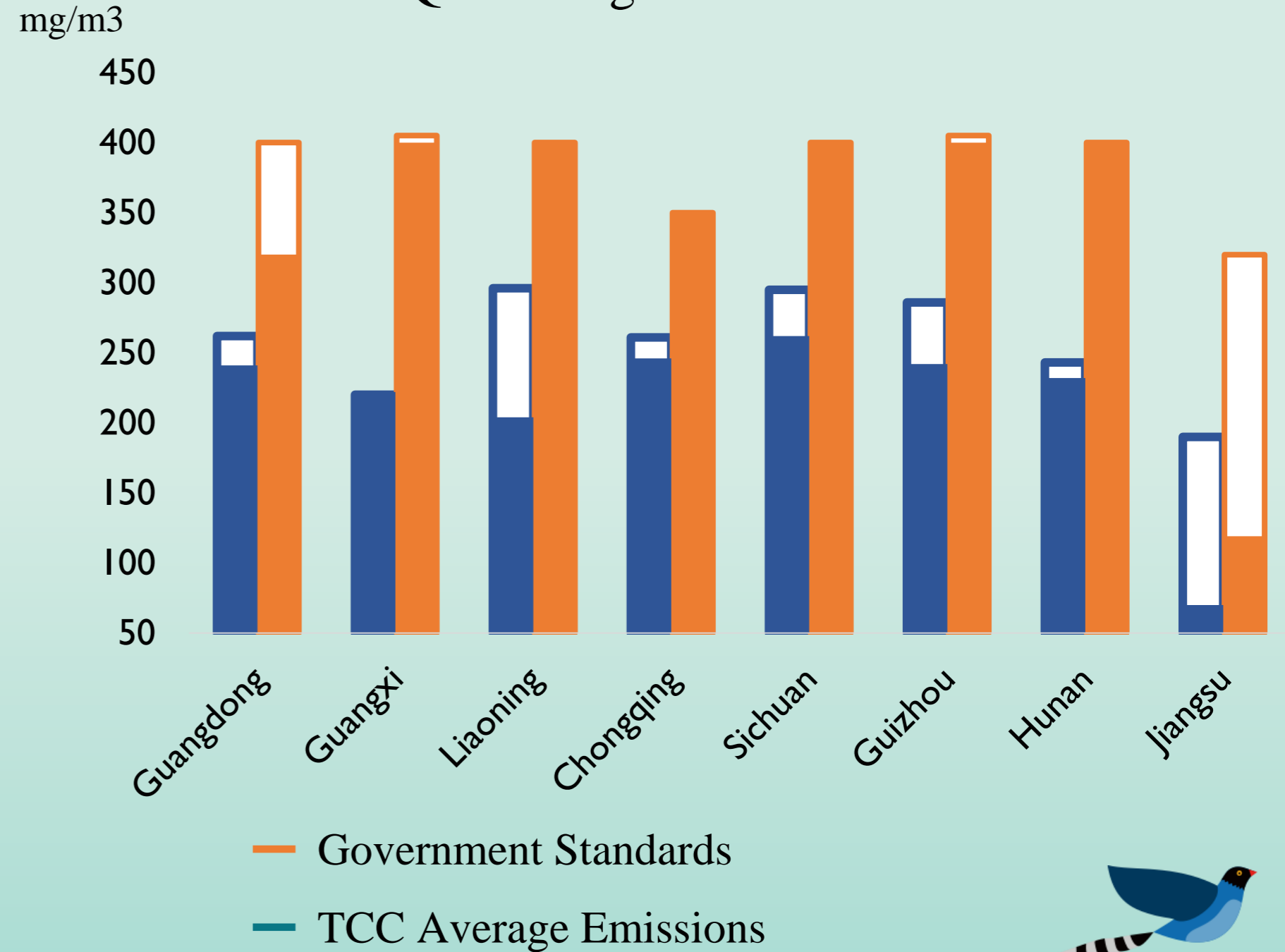


VAT Cuts + Lower Utilities Costs + Lower Interest Rates

Mainland China Market: Supply



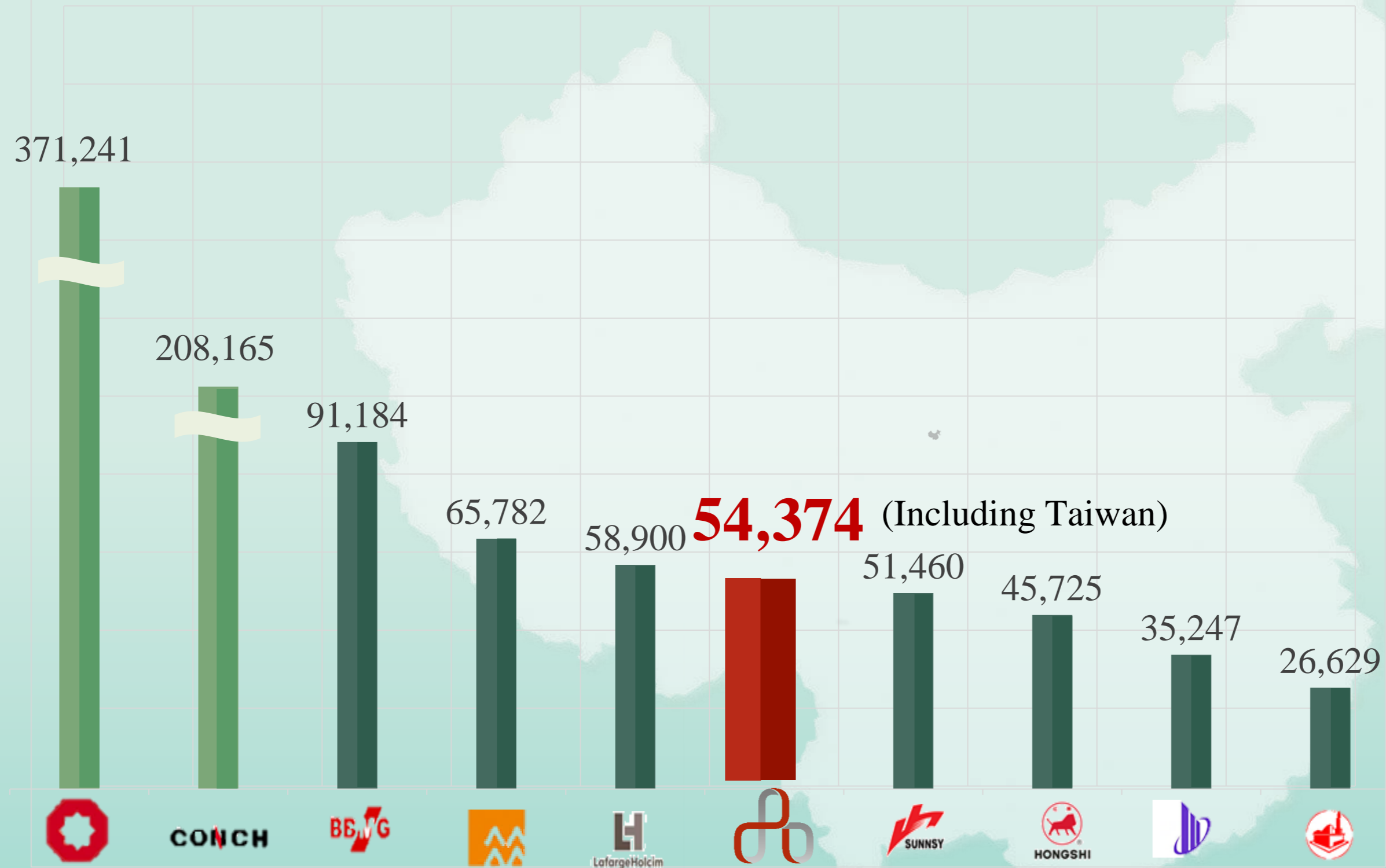
2019Q1 Average NOx Emissions



Ranked 6th Place in 2018

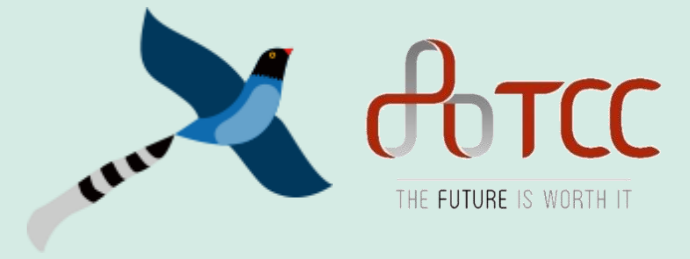


Unit: 1,000 Clinker Tons/Year

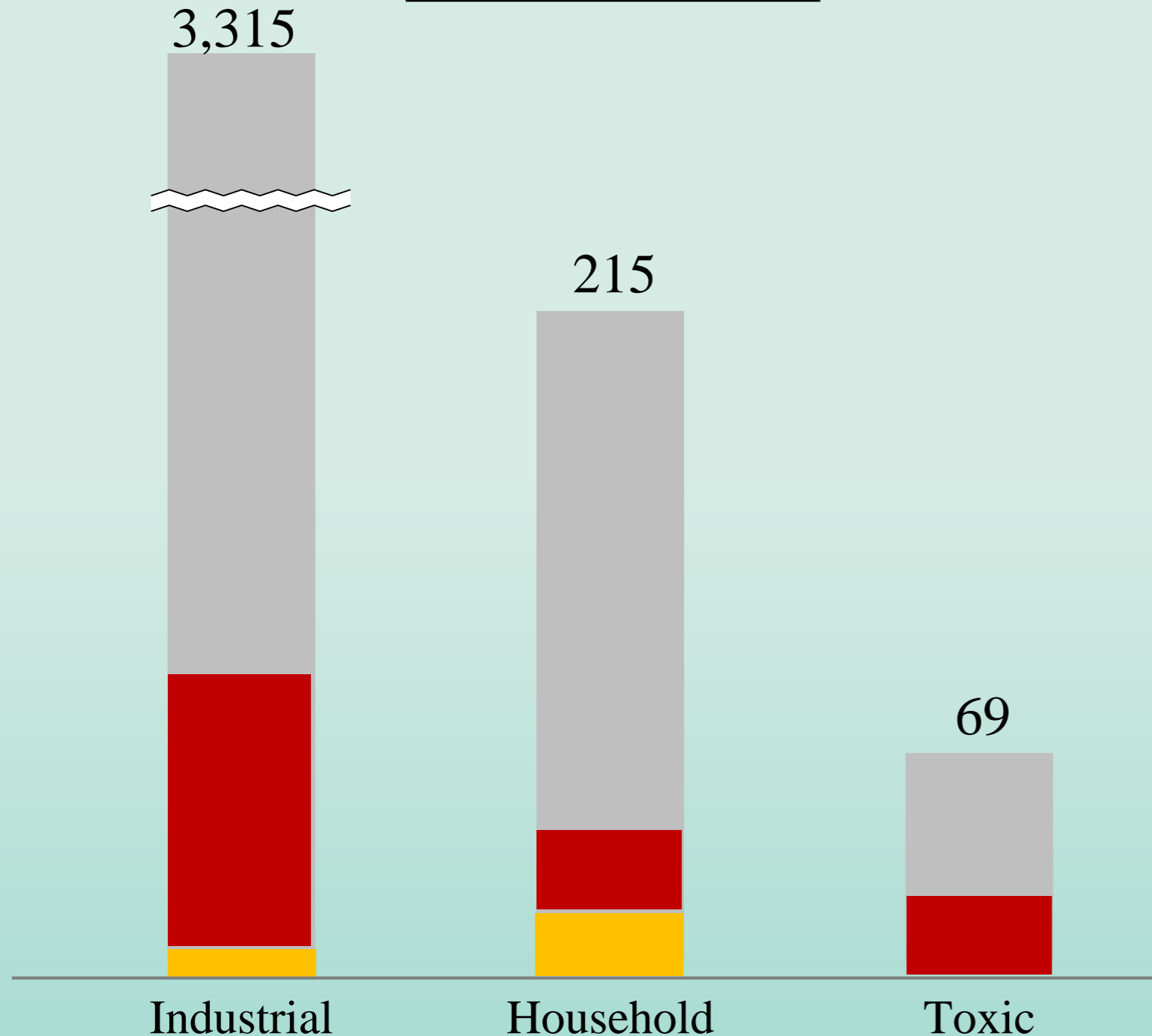


Waste Treatment Potential

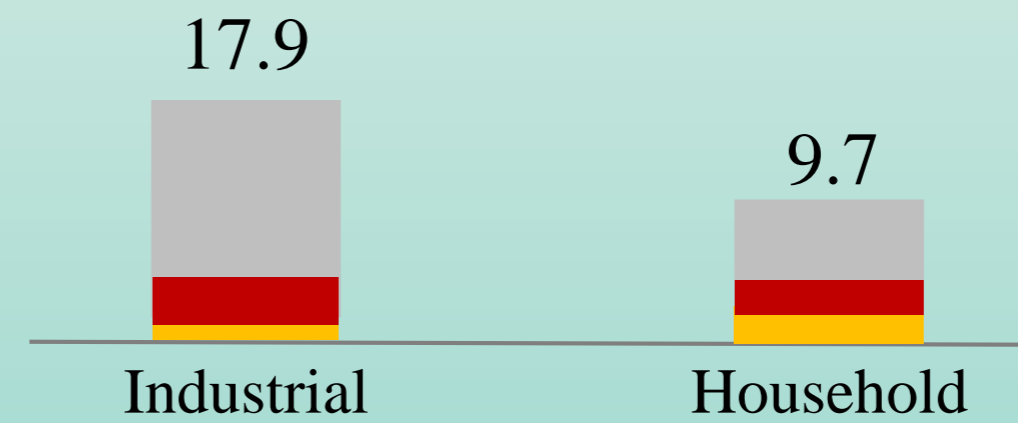
Unit: Million Tons



Mainland China



Taiwan



Waste Produced (Grey) TCC Processed (Yellow) TCC Potential (Red)

Major Progress



Guigang – Mainland China’s **Largest** Co-processing Solid (Toxic) Waste Contract: **330,000 tons/year**

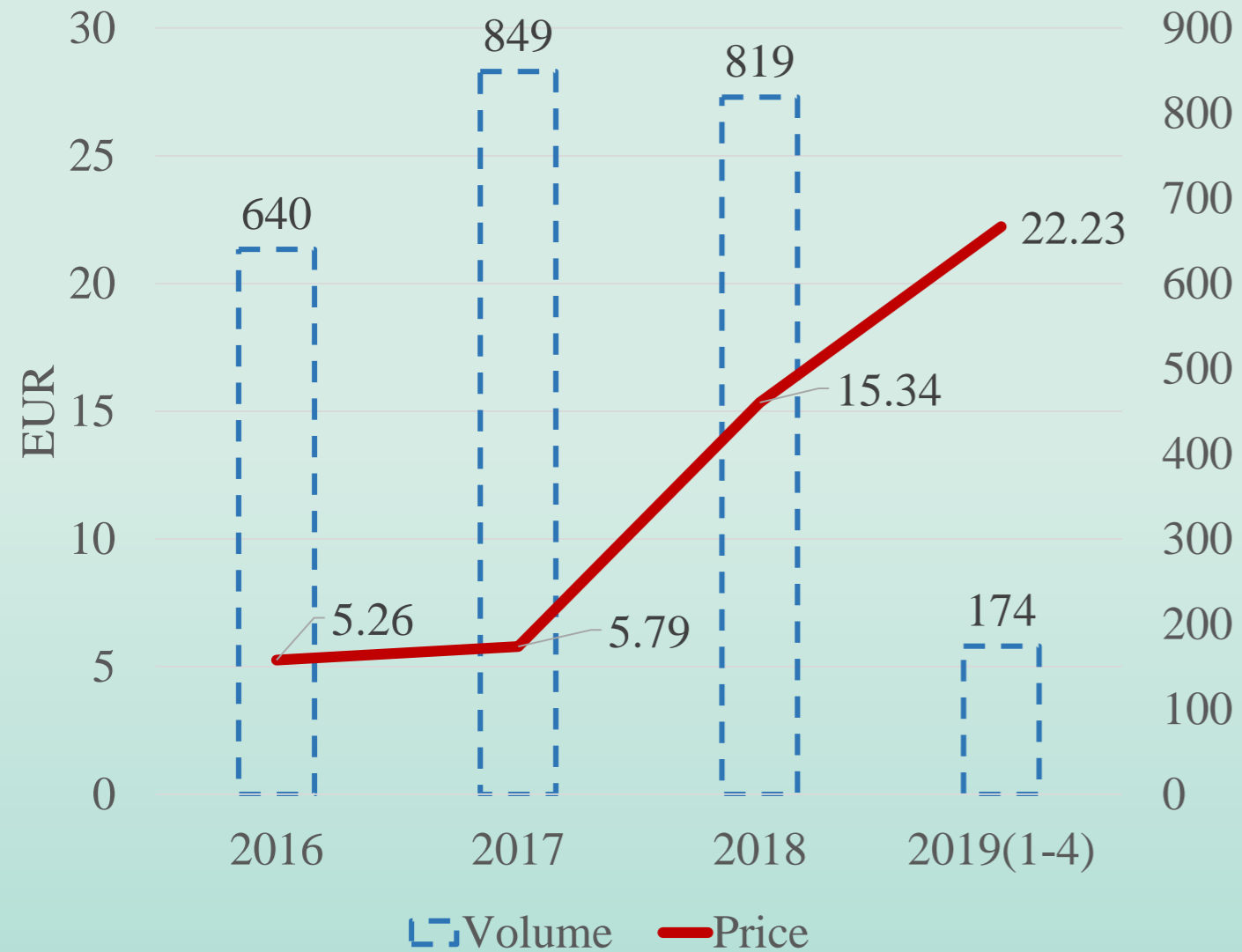


TCCI and Baowu Group Environmental Resources Technology Strategic Alliance
Solid Waste Potential: **40,000,000 tons/year**

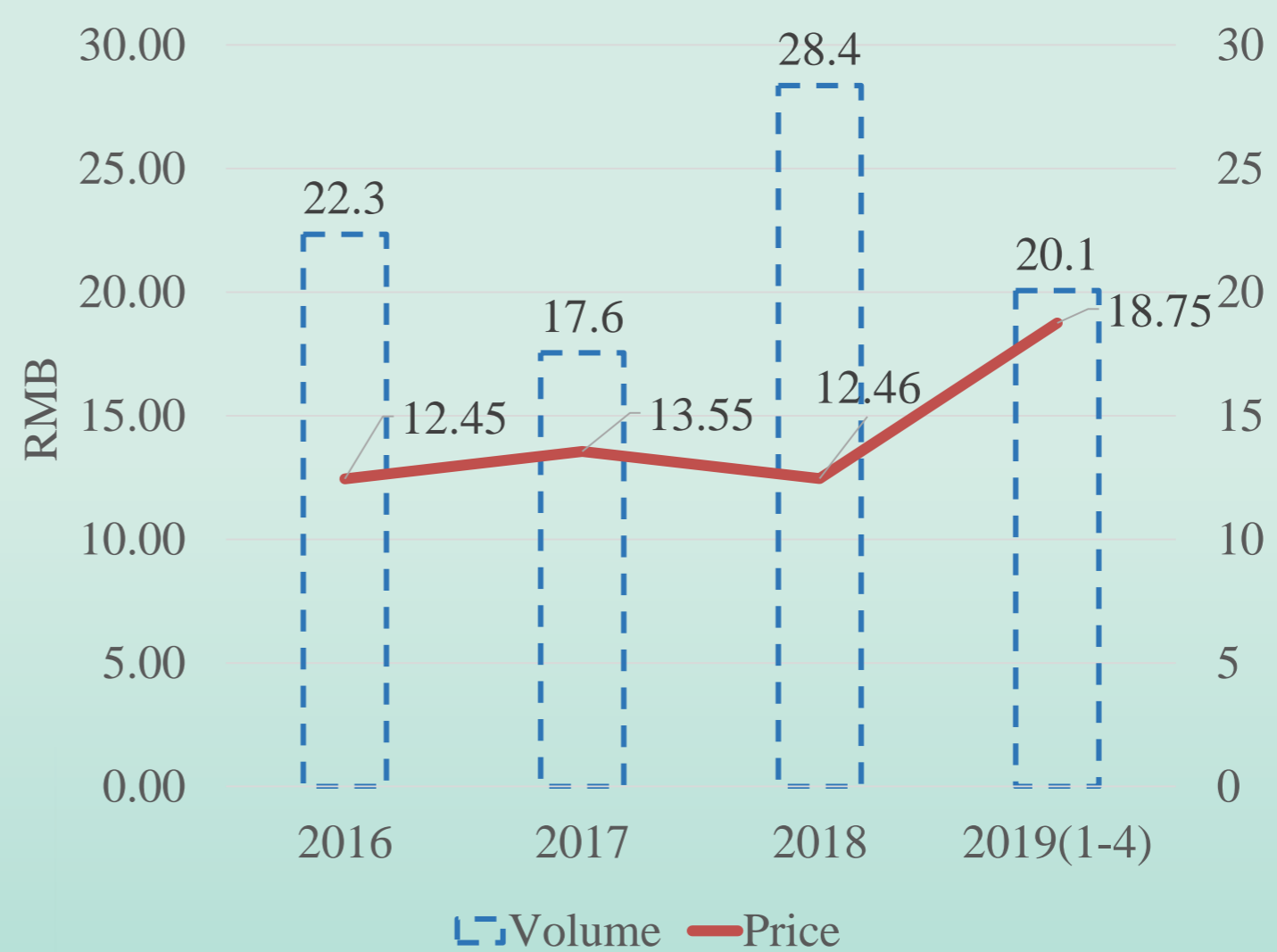
Carbon Trade

Unit: Million Tons

EU Carbon Trade Price



Mainland China (Guangdong) Carbon Trade Price



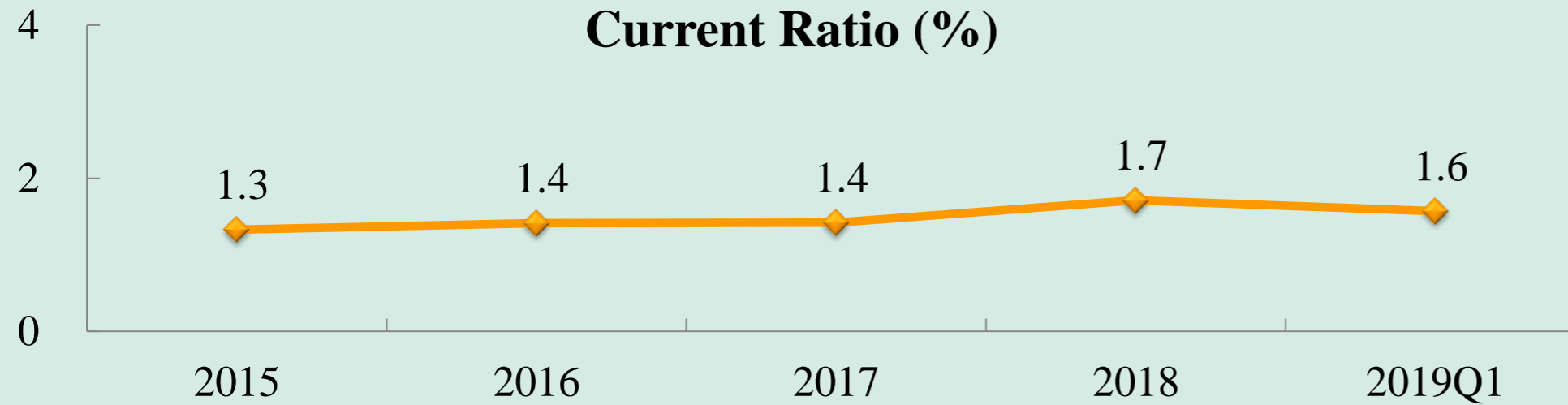
TCC 2019

✓ **CO2 Saved: 900,000 tons**

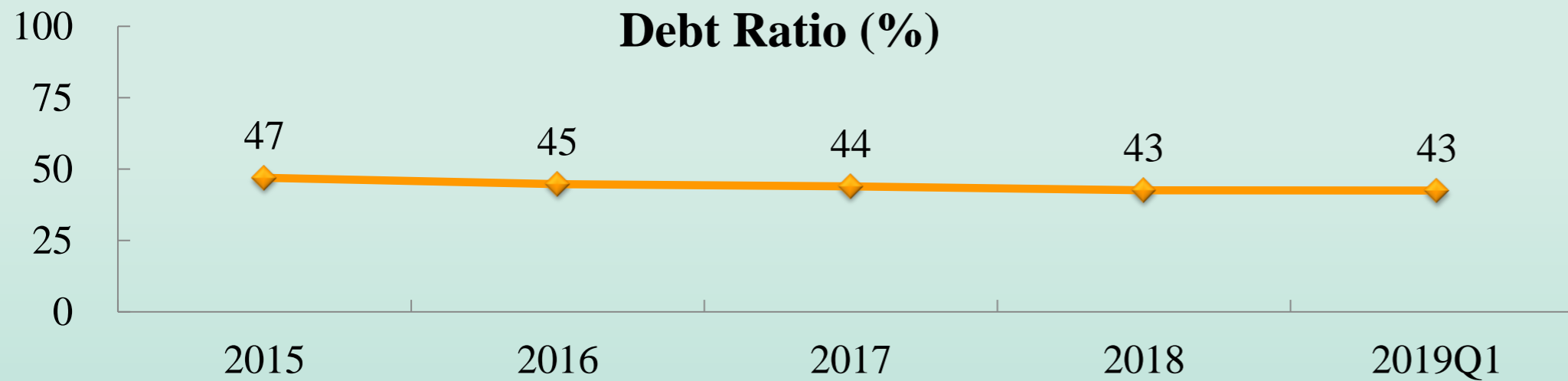
✓ **Benefits: RMB18.5 million**

TCC's Solid Financial Figures

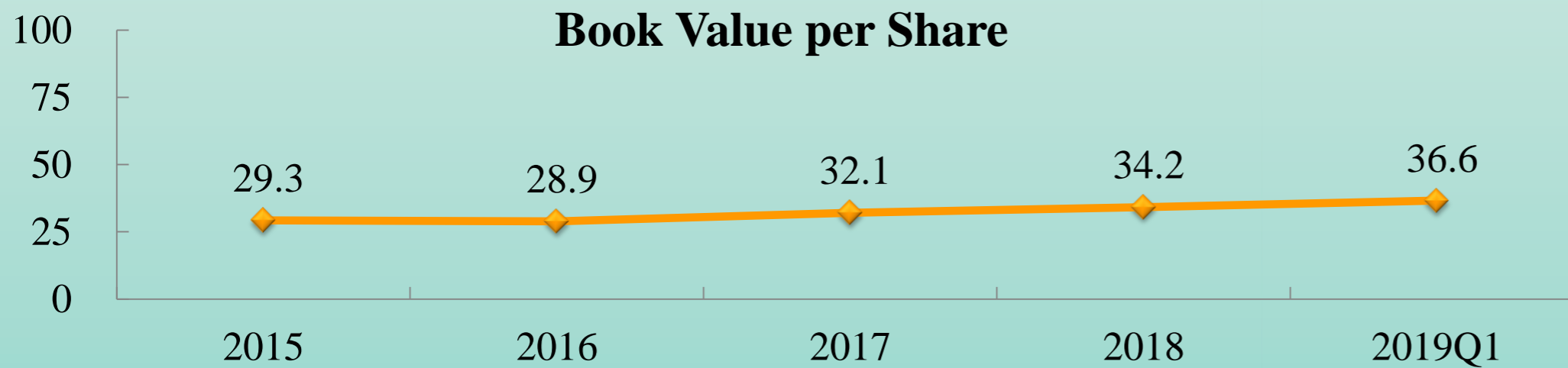
Current Ratio (%)



Debt Ratio (%)



Book Value per Share



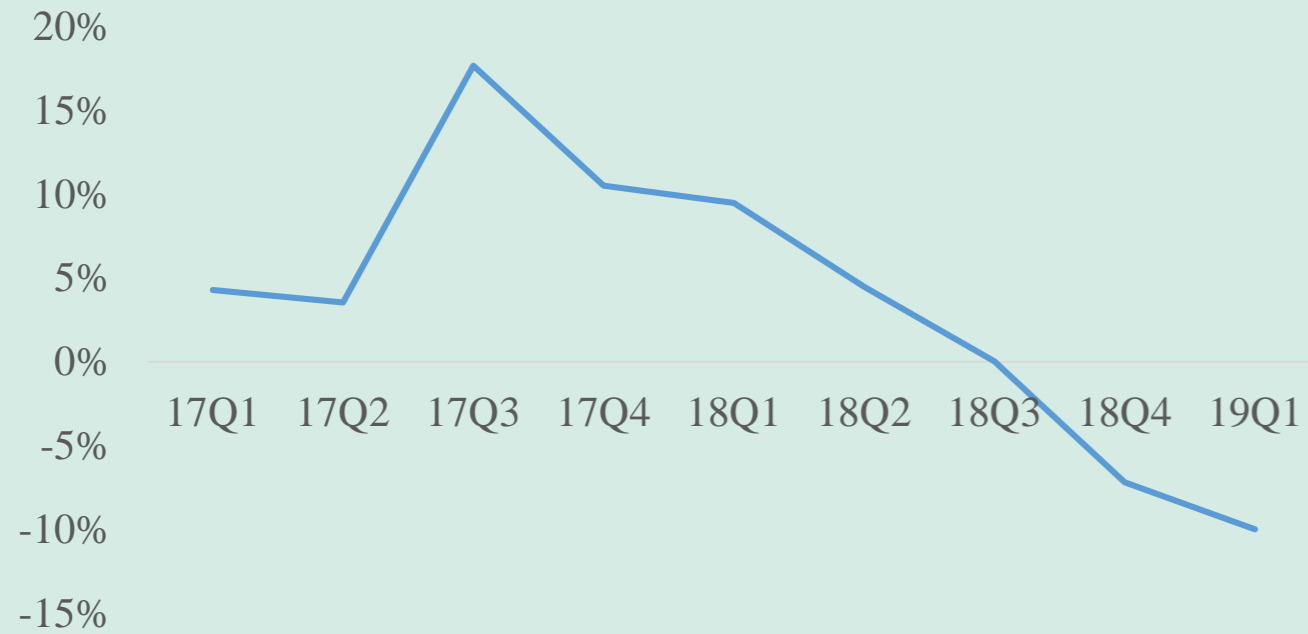
Gearing Ratio



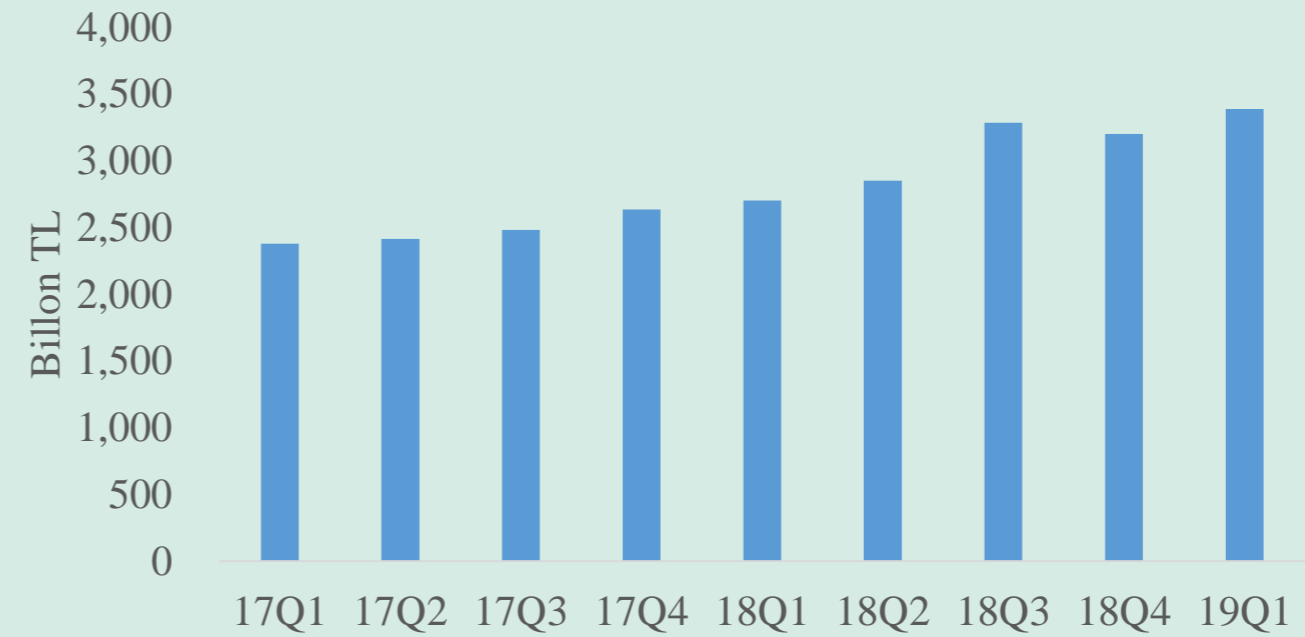
Turkey's Economic Overview



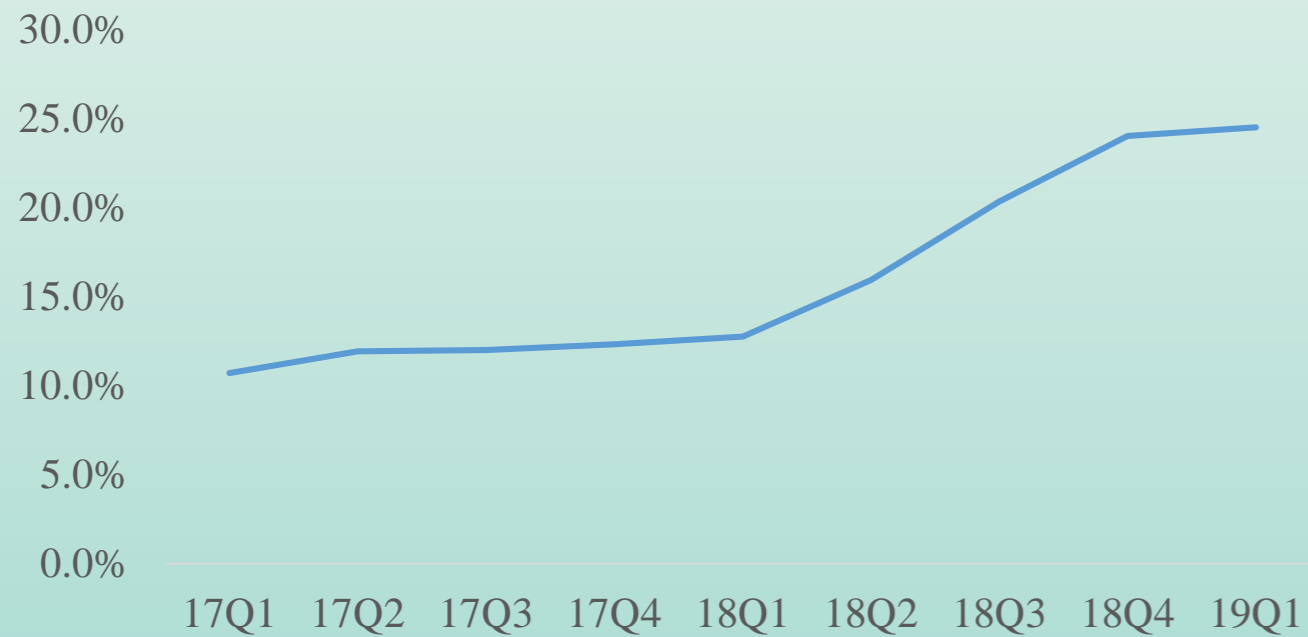
Industrial Production Annual Change



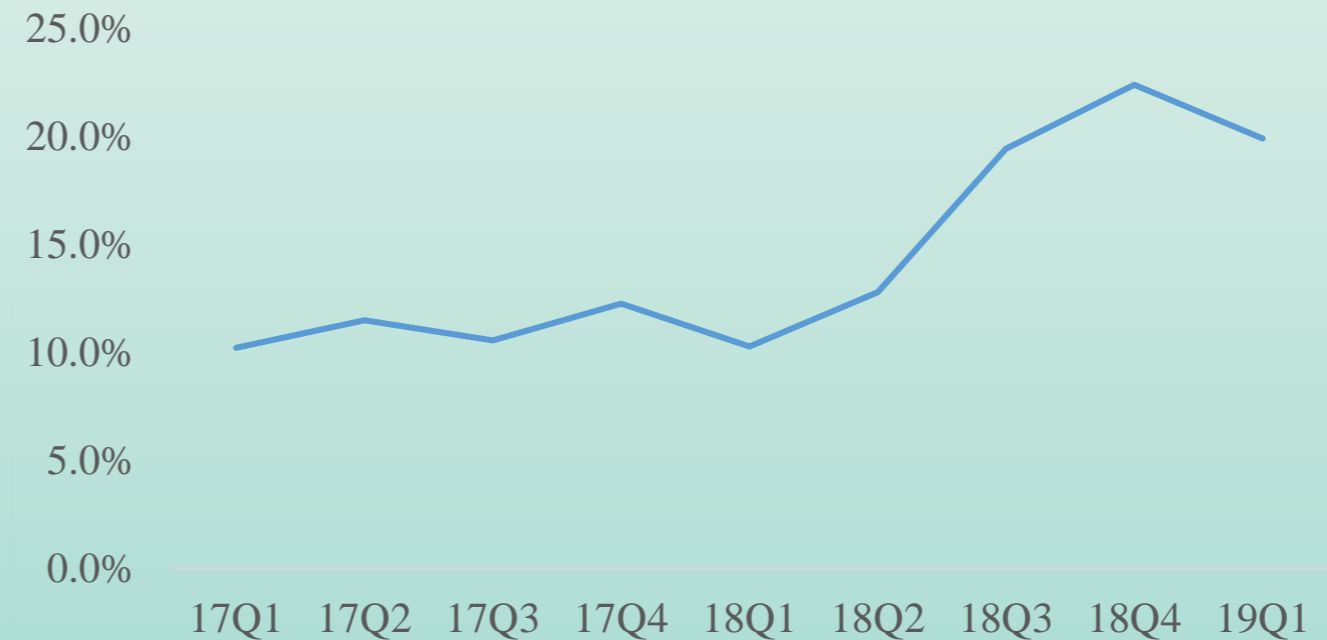
Total Government Debt



Interest Rate

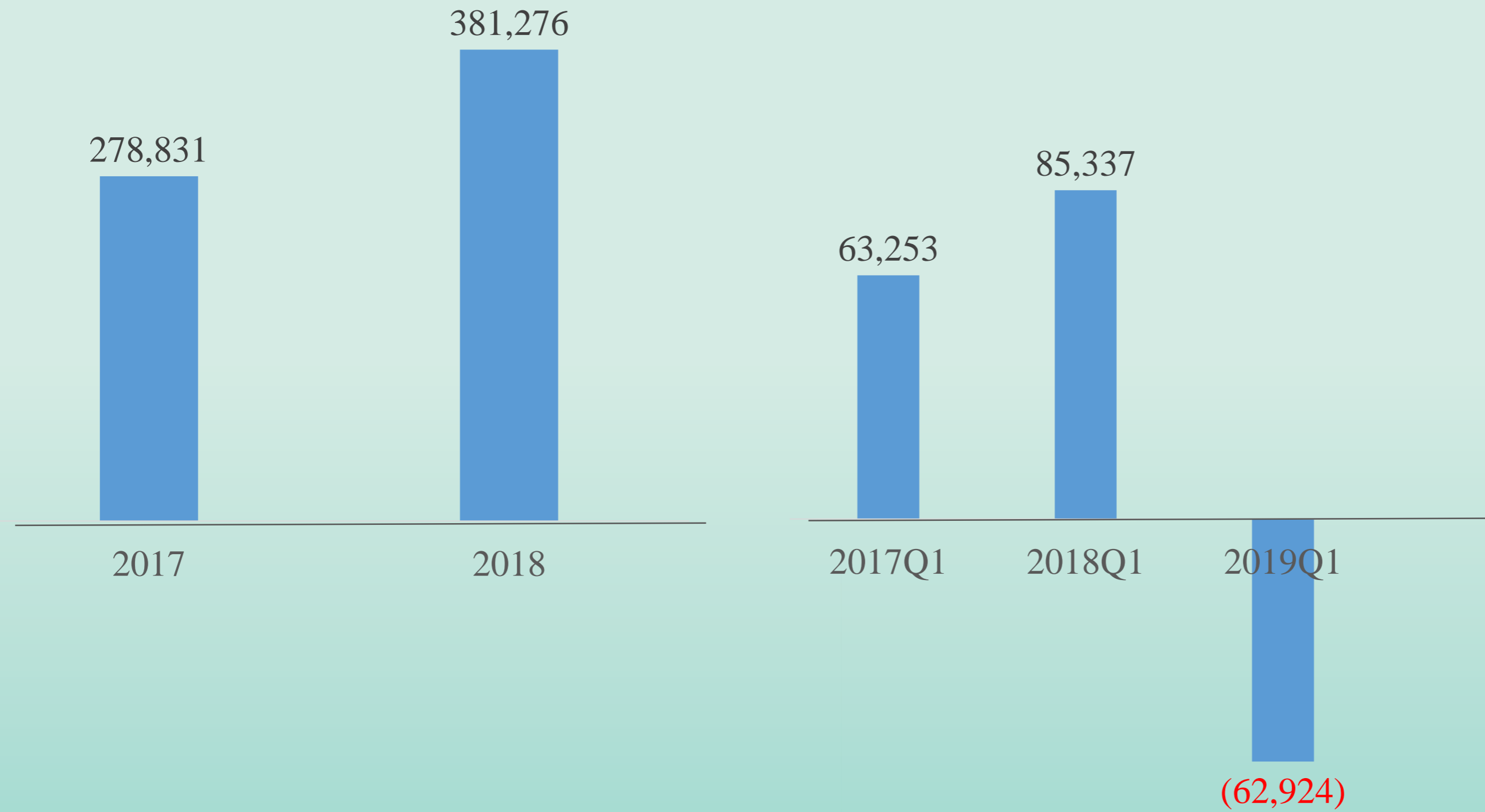


Inflation



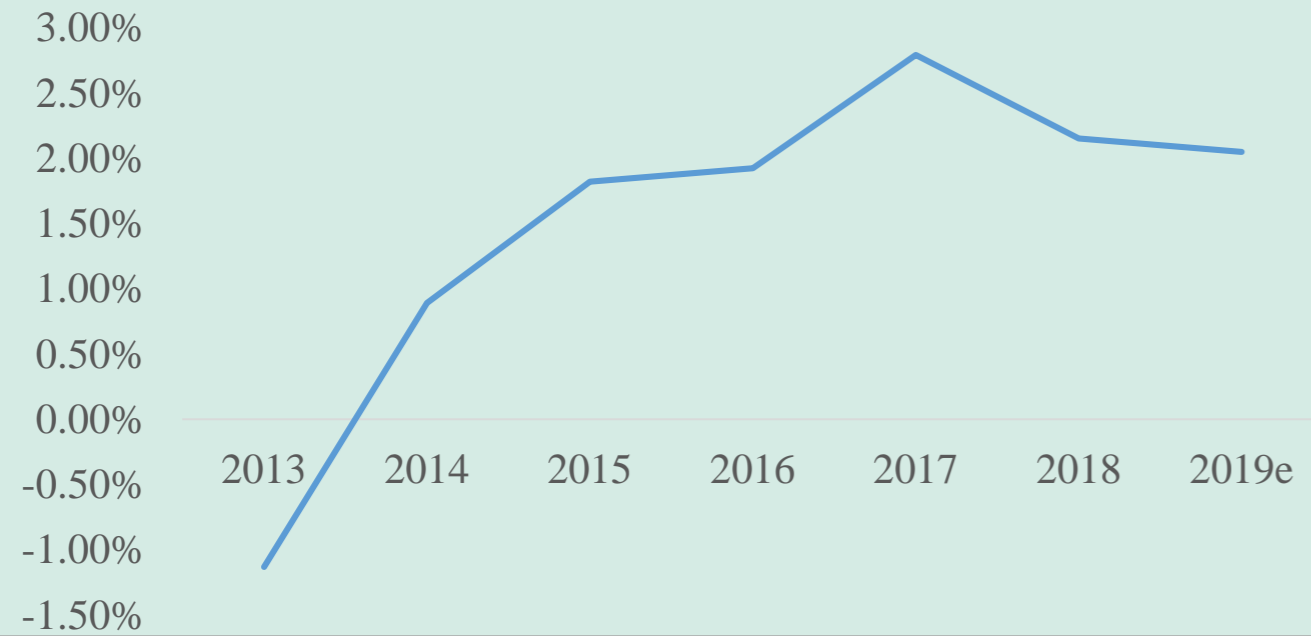
Turkey: OYAK's Net Income

Unit: Thousand/Lira

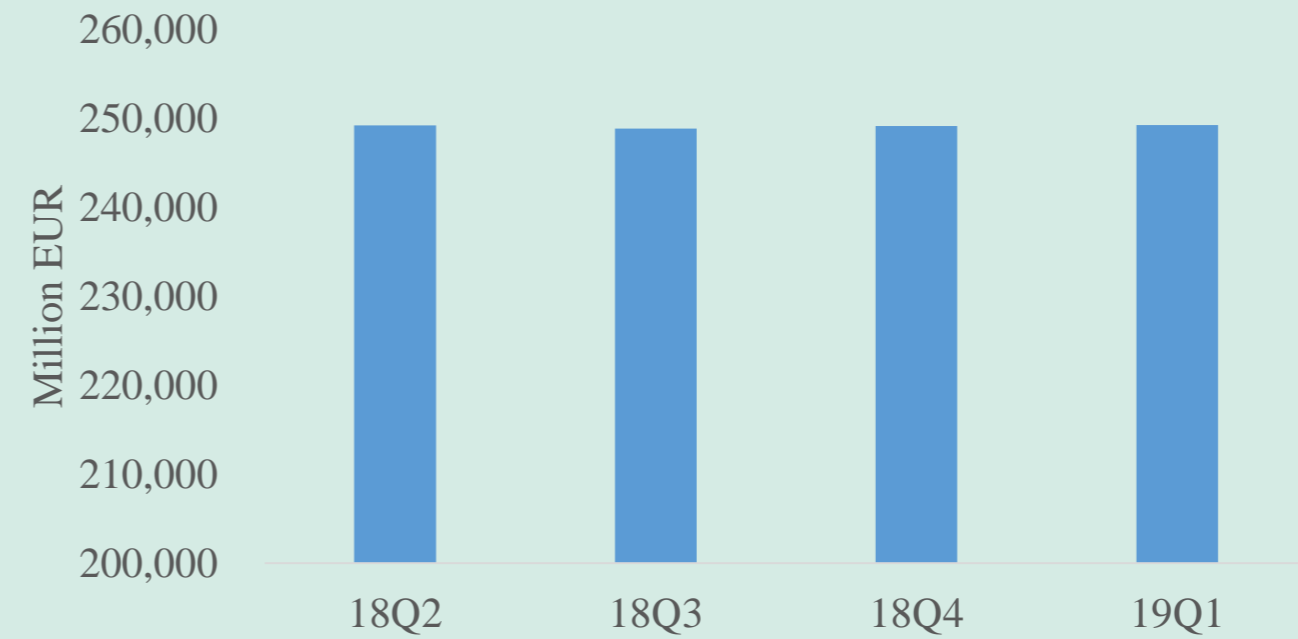


Portugal's Economic Overview

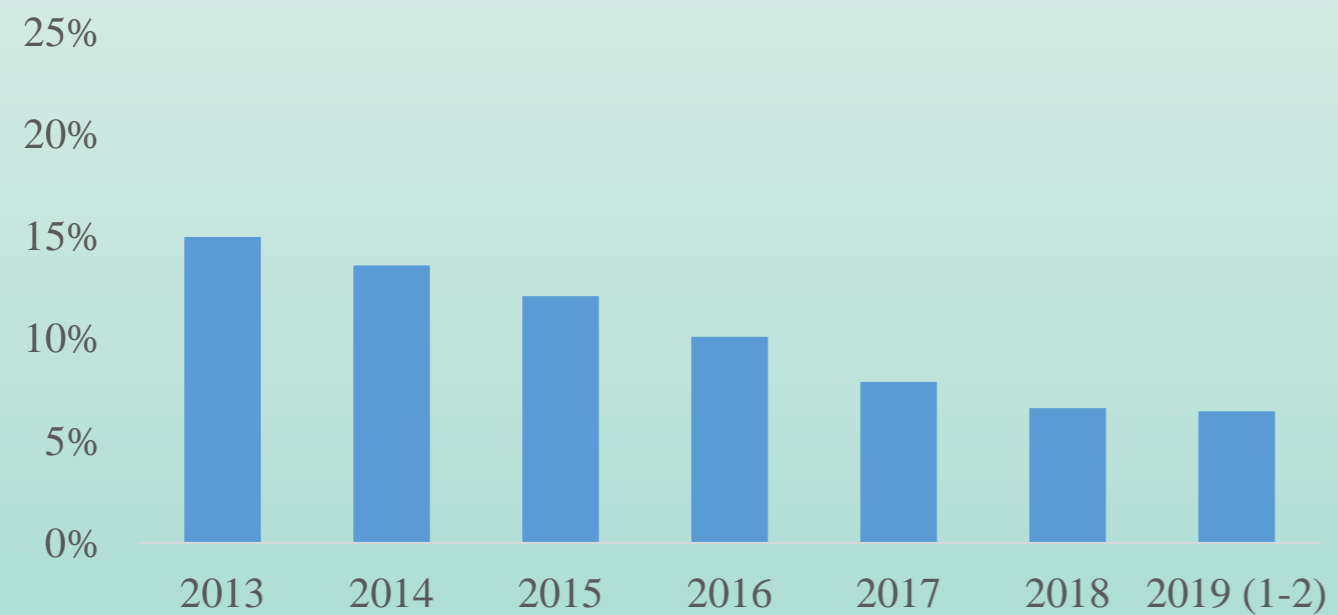
GDP Growth (OECD Data Forecast)



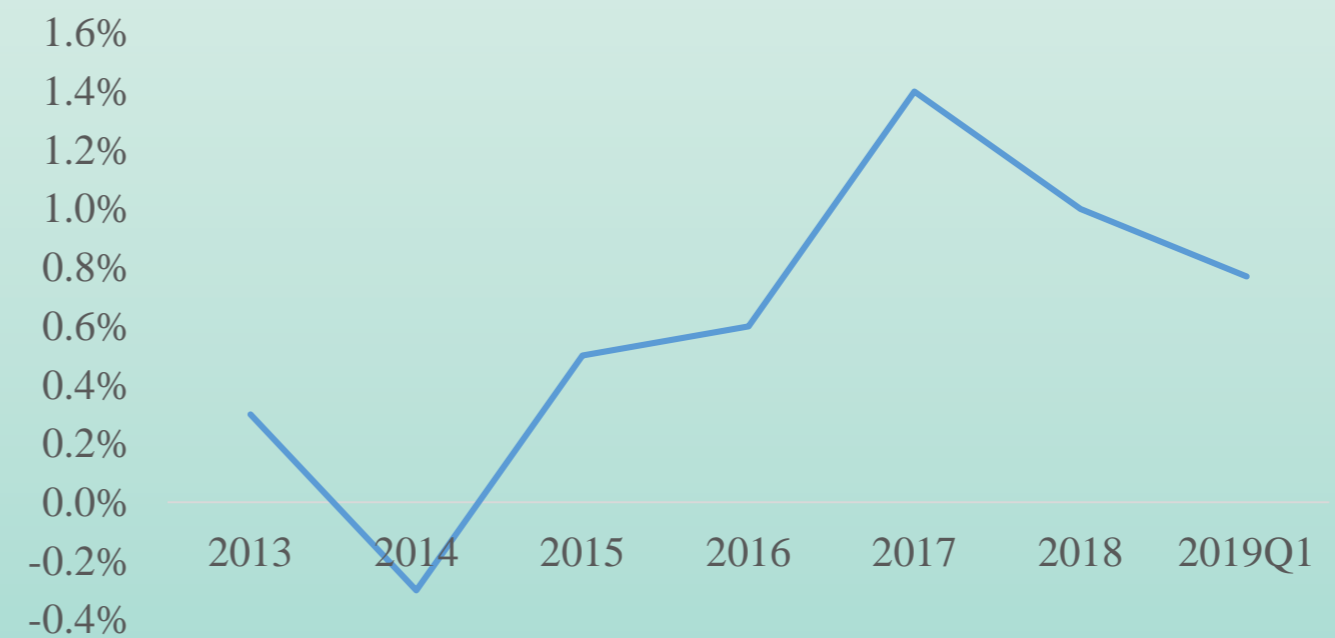
Total Government Debt



Unemployment Rate

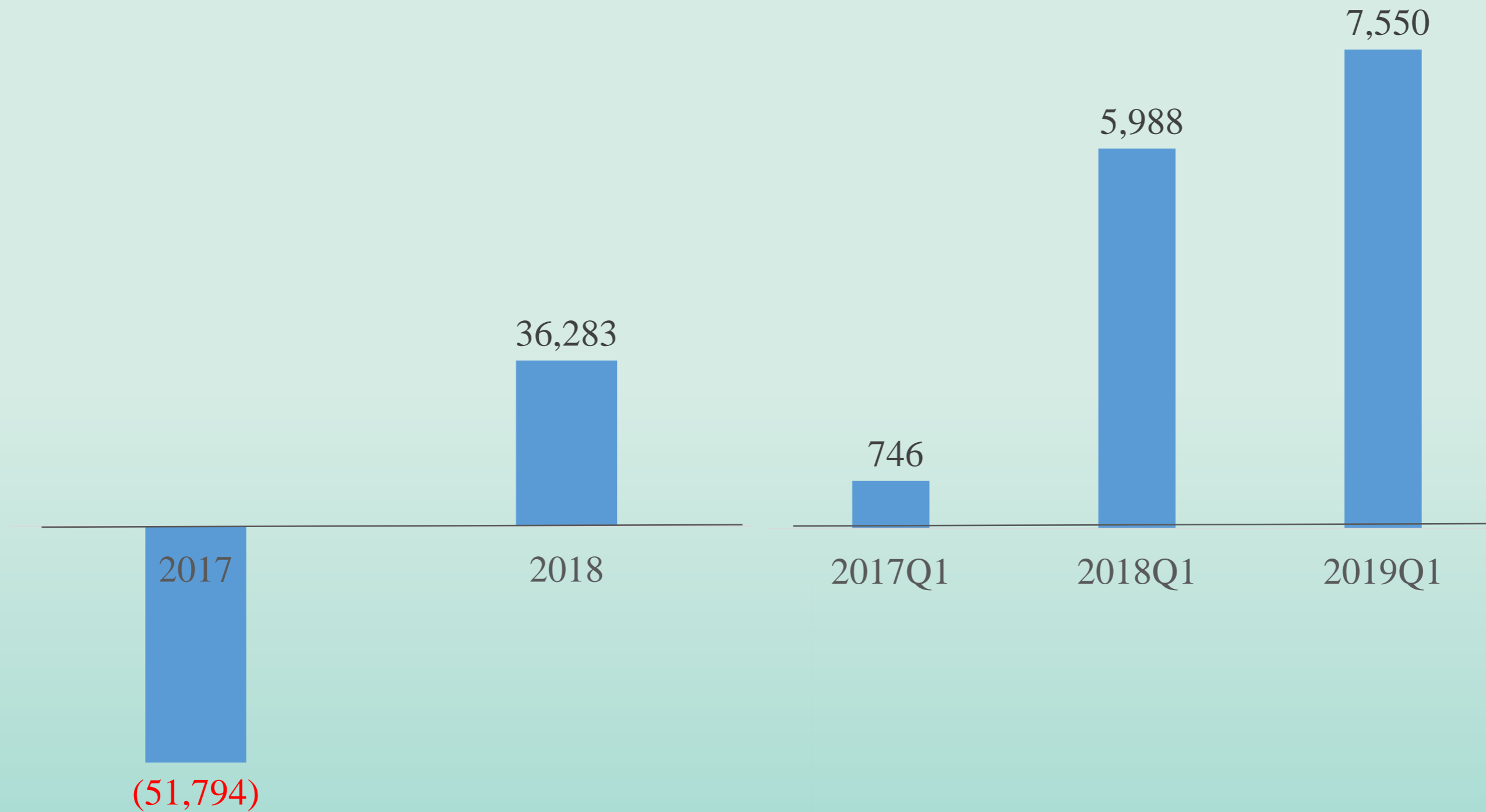


Inflation



Portugal Key Cement Player

Unit: Thousand/Euro



We Appreciate You for Listening



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