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Non-IFRS Financial Information

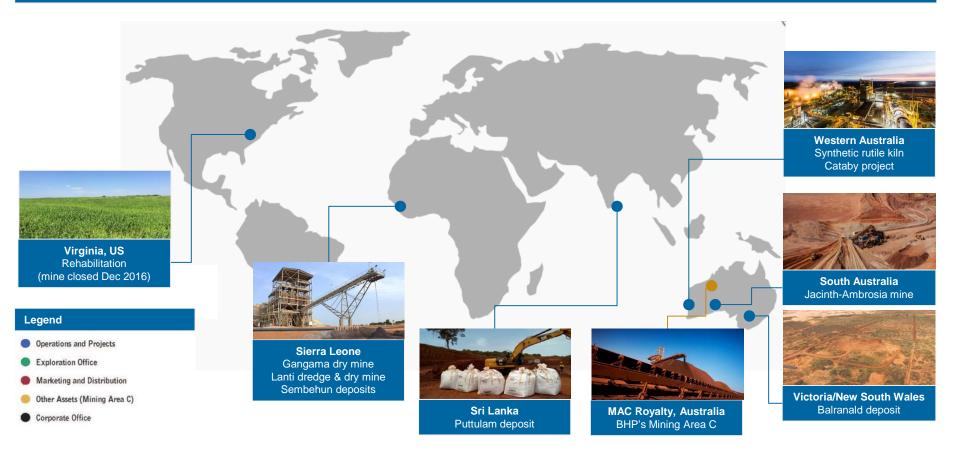
This document contains non-IFRS financial measures including cash production costs, non production costs, Mineral Sands EBITDA, Group EBITDA, Iluka management considers these to be key financial performance indicators of the business and they are defined and/or reconciled in Iluka's annual results materials and/or Annual report. Non-IFRS measures have not been subject to audit or review.

All figures are expressed in Australian dollars unless stated otherwise.

Iluka's Asset Base



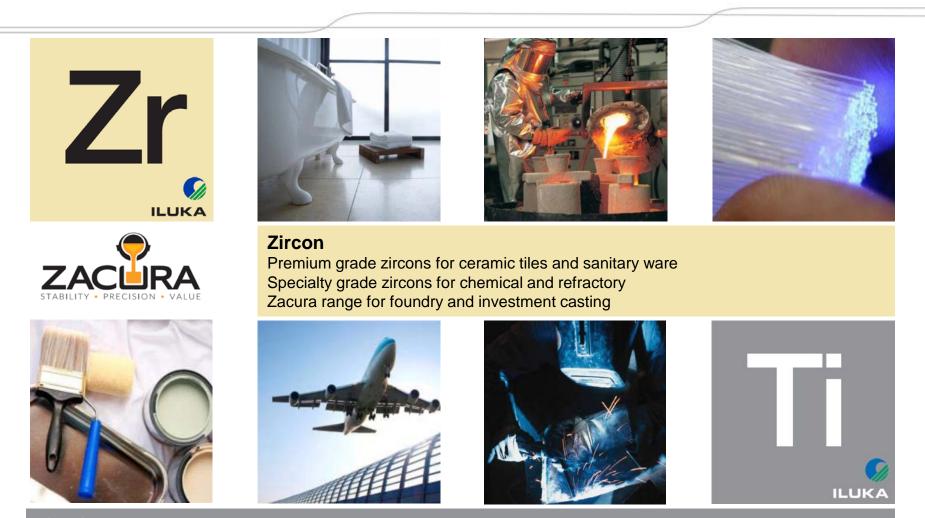
60 years experience in exploration, project development, mining, processing and marketing of mineral sands.



The company is a major producer of zircon and high-grade titanium dioxide products.

Iluka's Product Portfolio



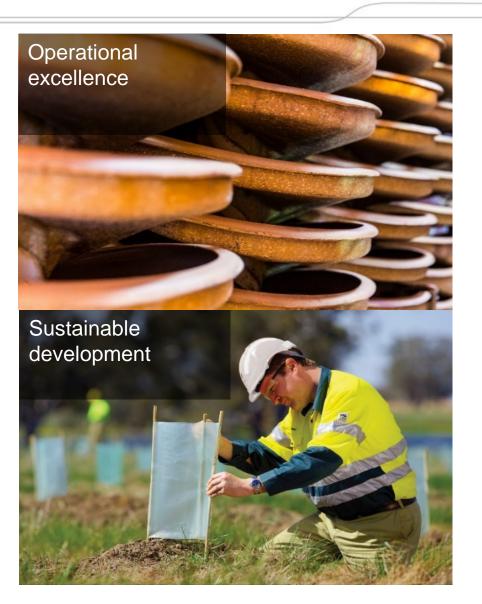


Titanium

High grade titanium feedstocks for chlorination High purity titanium feedstocks for welding consumables Low Sn titanium feedstocks for high grade titanium metal production (e.g. Aerospace)

Business Focus









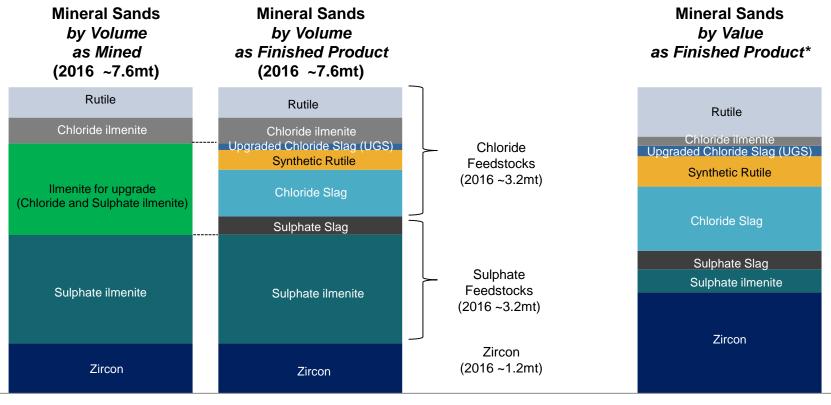




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Global Mineral Sands Production

Proportionately, Zircon generates the largest revenue when taking into account the volume mined



All titanium feedstock volumes in TiO2 units Source: Iluka and TZMI

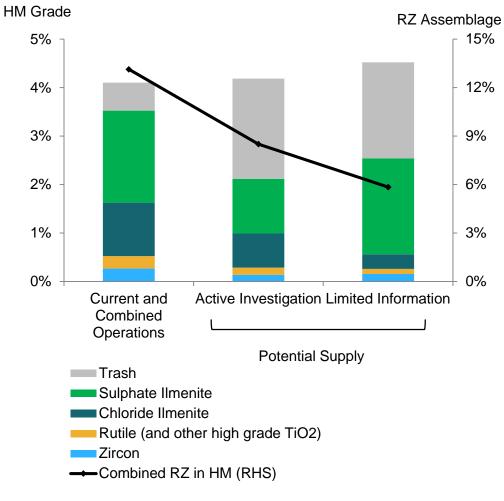
* 2016 product volumes and 2016 industry average prices

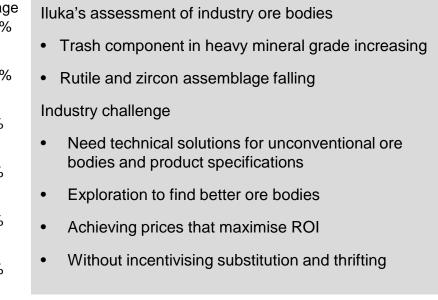


Valuable Heavy Mineral Decline



Global Mineral Sands Resources Assemblage





New Project Supply Challenges



Unconventional deposits requiring technical solutions (eg. fine minerals, depth, product quality)

Zircon and rutile typically induced as by-products of ilmenite projects

Limited high zircon and rutile assemblage projects

Higher unit costs due to grade, distance to infrastructure and other factors

Iluka evaluates many projects and will remain disciplined in allocating capital.

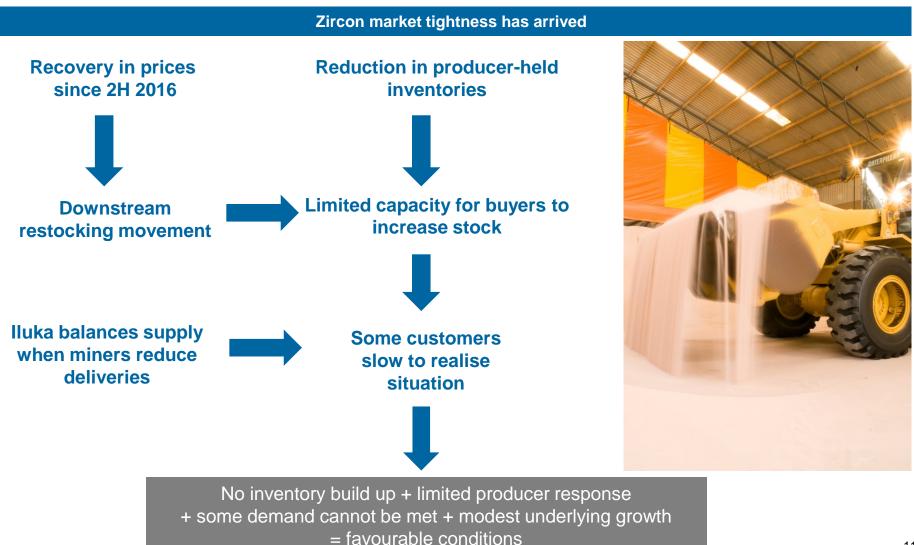
In a tightening market, new projects may progress despite challenges.

Higher sovereign risk locations





Current Supply Demand Fundamentals Positive



ILUKA

2018 Zircon Market



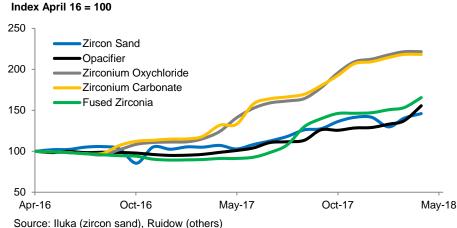
- Tight supply conditions leading to steady price increases
- Prices remain well down on previous spike
- Current price cadence avoiding historic volatility
- Downstream product prices have escalated

Iluka's Zircon Pricing Strategy

- Zircon <5% of final tile cost
- · Previous price spike induced substitution and thrifting
- Current customer feedback suggests higher prices can be absorbed if gradual
- Pricing strategy always subject to market response



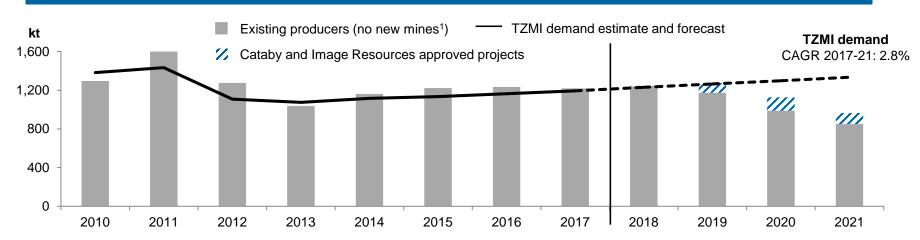
Zircon sand compared to downstream prices



Zircon Market Outlook



- Zircon from existing producers declining due to depletion and grade/assemblage decline
- Inventory largely depleted
- Supply projections include Iluka's Cataby development and recently funded Image Resources development
- Structural deficit could be mitigated by a combination Ambrosia mine move acceleration from 2022 to 2019 and likely supply response from artisanal miners in Kalimantan, Indonesia



Zircon Supply and Demand – Existing producers and approved new mines

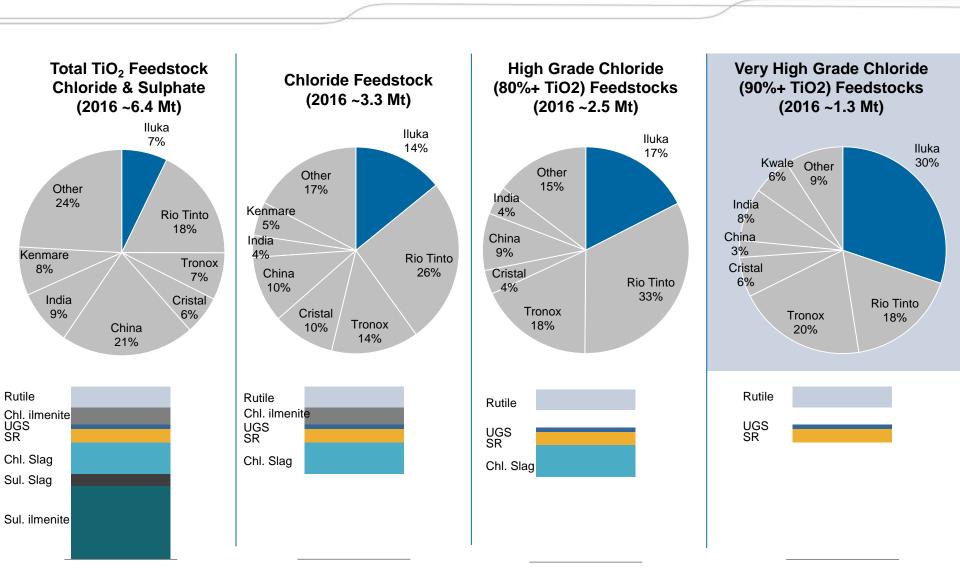
Note: In 2012, zircon demand fell by 200-250kt due to modernisation, substitution and thrifting, predominantly in the ceramics sector Source: Iluka production, Image Resources outlook (May 2018) and TZMI supply for remaining producers; and TZMI demand February 2018





Market Position Strongest in Very High Grade



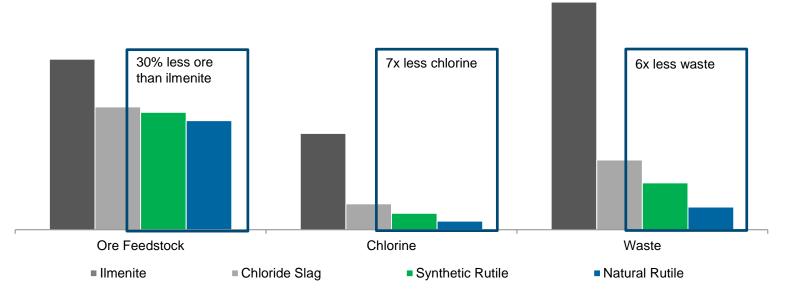


High Grade Titanium Feedstock Advantage



- Iluka is largest producer of Rutile
- Natural and synthetic rutile have a higher titanium grade than most slag feedstocks
- Advantages in pigment production:
 - lower ore tonnes required
 - lower chlorine input cost
 - lower waste generation (environmental and cost benefits)
- High 'value in use' for Iluka's main products

Higher grade feedstocks have lower costs, per tonne of pigment produced

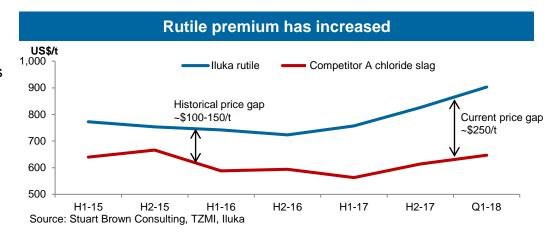


2018 High Grade Titanium Feedstock Market



- Positive conditions in downstream pigment market (90% of demand)
- Pigment plant closures in EU and China increasing utilisation of plants in operation
 - high grade feedstocks used to increase yields
- Pigment prices up 55% from market low (Oct 2015)
- Rutile prices up 28% from market low (Q4 2016)
- Pigment and feedstocks price growth over past 12 months comparable
- Historical lag of 6-12 months to feedstocks prices
- Rutile historically priced at premium to other high grade feedstocks
 - reflecting relative economic value, other factors
- Rutile price growth has been greater than other high grade feedstocks, increasing price differential
- Key drivers of further rutile price growth are other high grade feedstock prices, pigment prices, feedstock availability and specific pigment plant capabilities



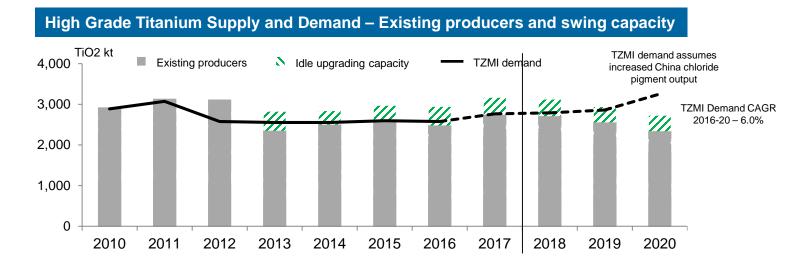


Rutile prices increasing, historical lag to pigment prices

High Grade Titanium Dioxide Supply/Demand



- Supply-demand overlaid with swing capacity not requiring additional mine investment
- Subject to price rises inducing brownfields investment, the high grade market has sufficient supply capacity to meet demand to 2019
 - This idle capacity has existed for five years, with major producers exhibiting supply discipline
- Between the three major producers, there is sufficient capacity and feedstock supply to fill the emerging gap
- If all potential suppliers enter the market, the high grade market would have ample supply capacity
- Highlights importance of Iluka's strategy to secure offtake for Cataby project



This slide should be read in conjunction with the disclosure in respect of forward looking statements on slide 2 Source: Iluka supply and TZMI demand August 2017





Zircon Substitution Options



Although substitutes exist, zircon is the better product

Zircon attributes

- Opacity whiteness
- Hardness
- Low thermal expansion
- High melting point
- Thermal conductivity
- Chemically inert
- Low neutron absorption



- → Alumina
- → Feldspar
- → Kaolin
- → Chromite
- → Synthetic Mullite

Adoption of substitutes has value-in-use and technical limitations



Market	Application	% of zircon market (est)	Major Substitute	Adoption Hurdle	Mitigation
Ceramics	Body	16	Calcined alumina; white clays; white feldspar; kaolinite	Medium	 Alumina content in tile formulation Final product attributes (e.g. porosity, dimensions) Declining availability and quality of ceramic clay and feldspar deposits
	Engobes & glazes	27	Calcined alumina	Medium /High	 Alumina content in tile formulation Final product performance (e.g. water mark, meltability, chemistry, gloss) Increasing demand for higher-quality and HD digital glazed tiles
	Ceramic frits	9	Nil	High	Zircon's effects unmatched by any substitutes
Chemicals	Pigments (zirconia)	20	Nil	High	 ZrO₂'s effectiveness to provide crystal encapsulation for specific colours
	Medical Applications		Nil	High	Highly specific functions
	Advanced materials		Nil	High	 Highly specific functions (e.g. fuel rods, oxygen sensors, high-temperature turbine coatings)
Refractory	Glass refractory	16	Nil	High	Highly specific functionHigh-impact failures if cheaper substitutes fail
	Steel refractory		High-purity alumina; spinel	Medium /High	High-impact failures if cheaper substitutes fail
Foundry	Sand-casting	2	Synthetic mullite; chromite	Low	 Limitation in performance of substitutes (e.g. desired high-level surface finish and chilling effects)
	Coatings	10	Alumina; synthetic mullite	High	 Limitations in performance of substitutes (e.g. high refractoriness and resistance to molten metal)
	Precision Casting		Fused silica; WFA; synthetic mullite	High	 Limitations in performance of substitutes (e.g. surface finish quality, coating slurry instability)

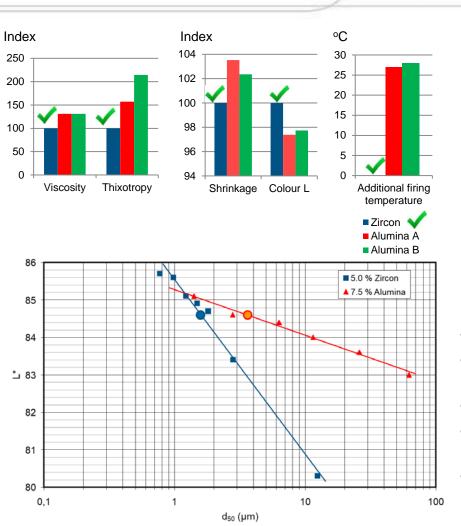
Low = Likely requires only in-house competencies to trial and implement the change. Change could likely be achieved in less than a year. Low economic risk. Adoption

Medium = Focussed effort needed, external specialist knowledge may be required. Change may require between one to three years.

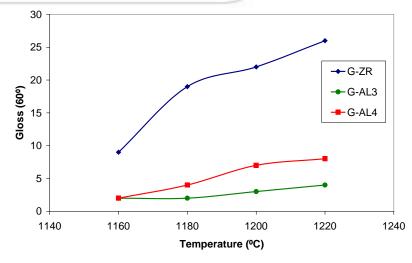
Hurdle High = Technical limitations, Deep and specialised technical knowledge to study, trial or implement the changes. May require more than three years of efforts. High potential economic risk from any trials. 21

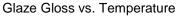
Zircon vs Alumina - Technical Attributes





Evolution of L* coordinate with the opacifier particle size for porcelain tile body compositions with 5.0 % of zircon and 7.5 % of alumina.



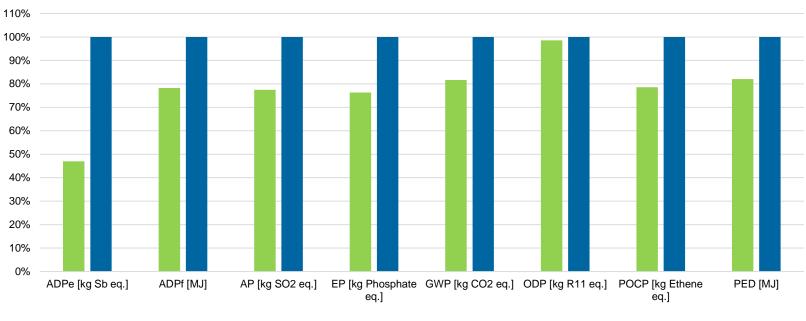


- No viable substitutes today for zircon-based white frits
- Substitution in porcelain bodies leads to issues in rheology, shrinkage, increase in firing temperature, lower whiteness
- Alumina requires higher substitution ratio (60%+ addition)
- Performance gap between zircon and alumina gets wider as particle sizes go down
- Zircon is the best opacifier for producing high gloss tiles

Zircon vs Alumina - Environmental Footprint







Ceramic Tile Mixture A

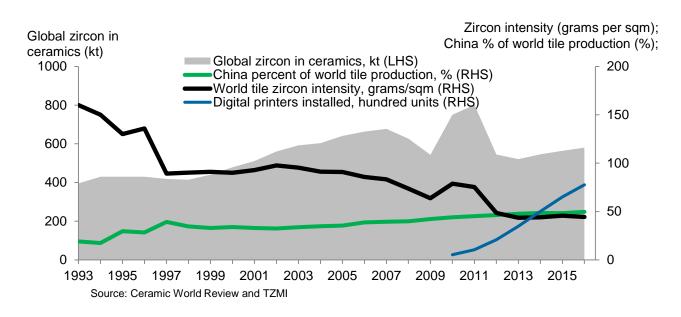
Zircon Mixture A Alumina Mixture A

Source: Ruidow Global Zircon Conference 2018's presentation by ZIA (2018); Life Cycle Analysis by ZIA

Zircon Facilitates New Ceramics Design and Applications



Zircon is a key enabler to new trends in ceramic designs



Latest Tile Formats

Digital Glazed Porcelain

Better glazes and designs

High growth category

Glazed Ceramic

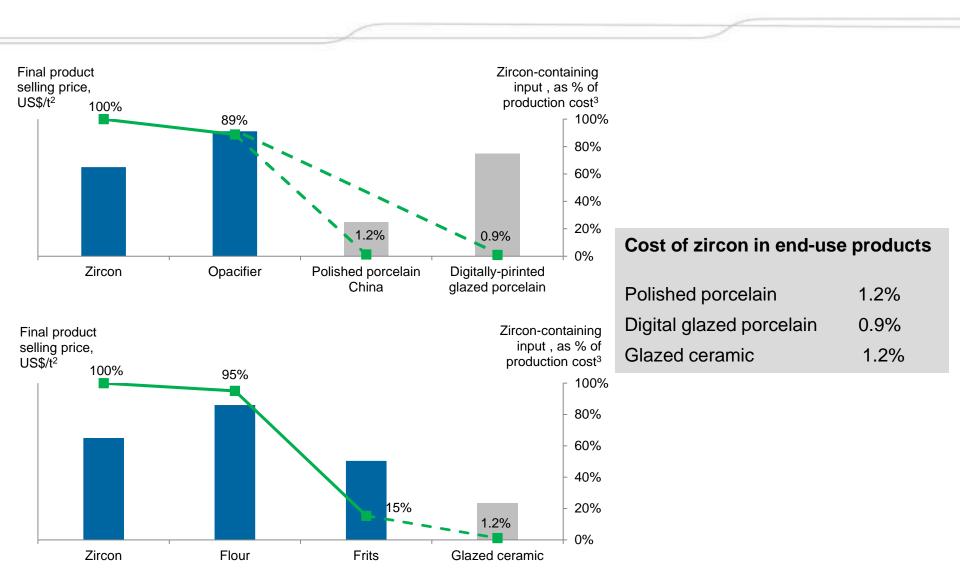
Digital printing Greater design options Stable demand

Gres Porcelain

New products HD marble imitations Whiter bodies

Large-slabs Multi-layered designs New architectural spaces

Tile Production Costs



Source: Iluka study of selected tile production region in Asia.







1. The supply of Zircon is inextricably linked to the supply of Titanium

2. A challenge for the industry is maintaining sustainable pricing outcomes through the value chain

3. Zircon does have some substitutes but adoption hurdles are high and there are real risks to end product performance



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