

Investor Event Tuesday 16th October 2012



Agenda

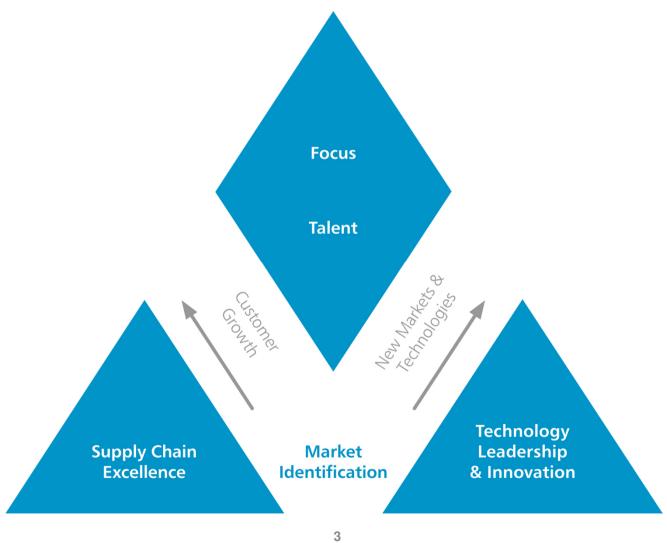
Overview

- 11.00 Welcome
- 11.10 Invibio Biomaterials Solutions Presentation
- 11.50 Victrex Polymer Solutions Presentation
- 12.30 Q&A
- 12.40 Informal Lunch and Discussion with Leadership Team
- 13.20 Tour of Facilities
- 14.40 Wrap-up & Departures



Strategy Update

Sustainable Earnings Growth





Invibio Biomaterial Solutions

✓ Strategy Overview David Hummel

✓ Regulatory Overview Craig Valentine

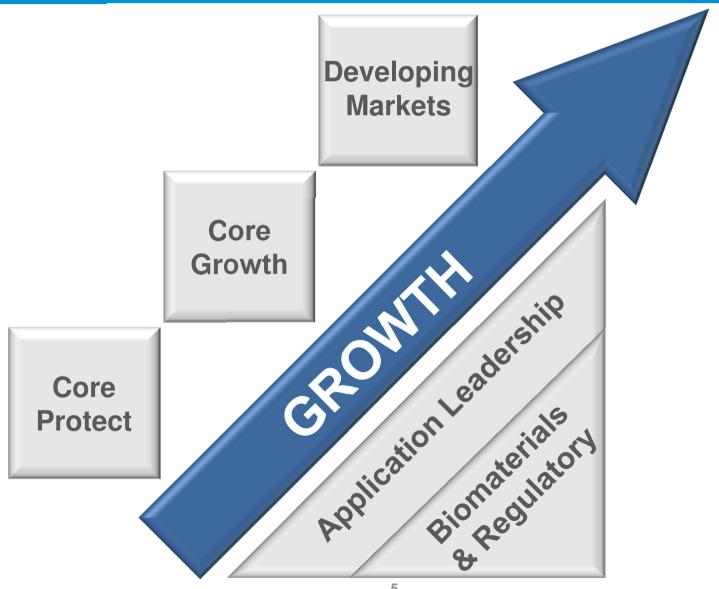
✓ Spine Business Overview Brian Roberts

✓ Developing Markets Overview John Devine

✓ Summary John Devine



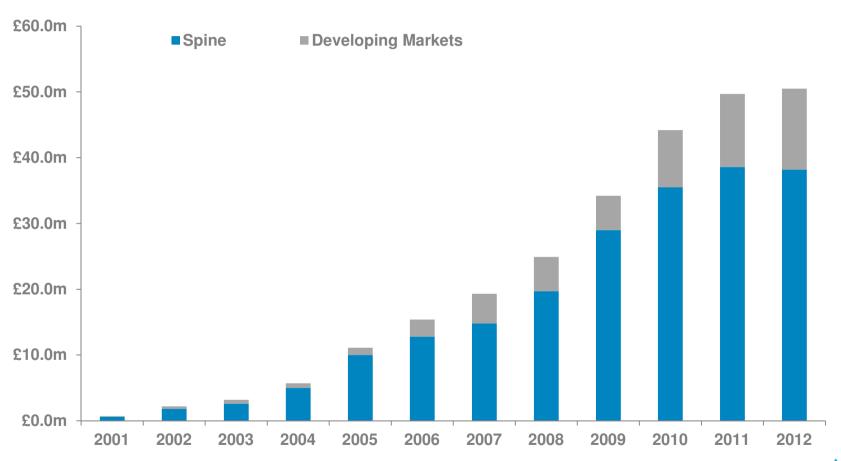
Invibio Strategy





Our Past, Our Future

Historical success from Spine, fuels broader basis for future growth





Medical

Invibio Biomaterials – driving innovation, superior performance and solutions in the medical device industry

Industry Trends Our markets Impact Opportunity Ageing Global ✓ Increasing need to **Spinal treatments** ✓ Medical **Population** replace worn out ✓ Invibio provide body parts or to materials that ✓ People are living alleviate pain in alleviate back pain longer lives and order to resume and can be used in a normal activities. have a strong minimally disruptive desire to e.g. 9 out of 10 manner, accelerating maintain their adults will patient recovery quality of life, experience back even in their pain in their life **Arthroplasty** ✓ Our materials are elderly years also used to provide more durable devices in the repair of hip, knee and shoulder joints



Medical

Invibio Biomaterials – driving innovation, superior performance and solutions in the medical device industry

Industry Trends Our markets Impact Opportunity Healthcare costs √ Healthcare ✓ Medical **Solutions** providers ✓ Invibio constantly ✓ Healthcare costs worldwide have seek to provide the desire to treat are rising. solutions that especially with patients but need address healthcare the increasing to find a way to costs. We work hard number of older reduce the costs with medical device adults of patient care companies to provide more effective devices that can shorten hospital stavs or reduce revision surgeries **Materials** ✓ Our materials lend themselves to very efficient

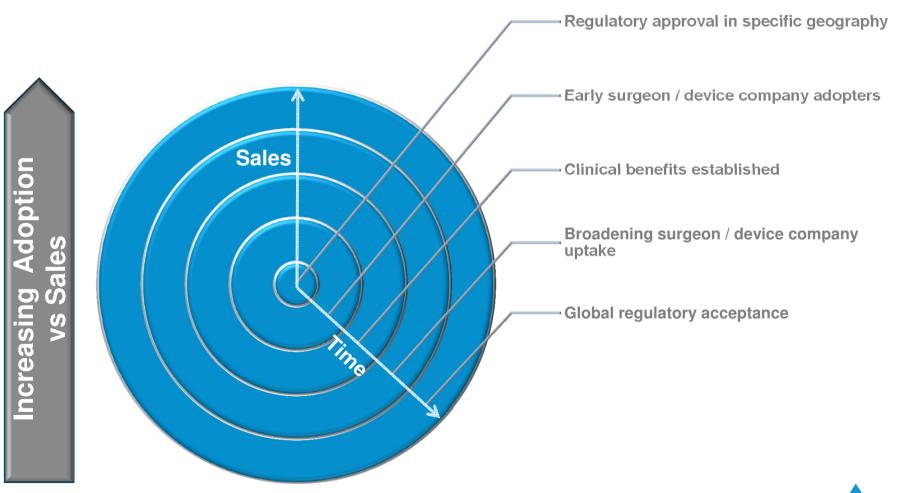




✓ Our materials lend themselves to very efficient manufacturing, meaning more costeffective devices for the population

victrex®

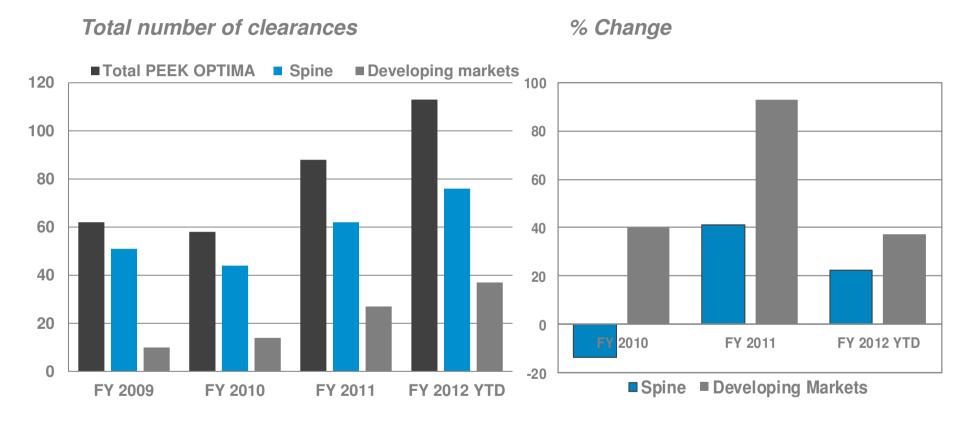
New Technology Adoption in Medical Devices





US FDA 510k Device Clearances

Use of PEEK-OPTIMA® in new devices continues to grow





Regulatory Focus – Why?

"Targeting the growing middle class in China, India and other emerging countries may be potentially less risky than creating new products for the flat U.S market"

Omar Ishrak – Medtronic CEO, August 21st Analysts Call

"In China and India we made about \$120m in sales [over the past year]. The goal here is to grow that five times by the end of 2015."

Olivier Buhoun – Smith and Nephew CEO, August 5th 2011.



 Global Medical Device Companies are very focussed on emerging market revenue, but they need our help to achieve their long term goals

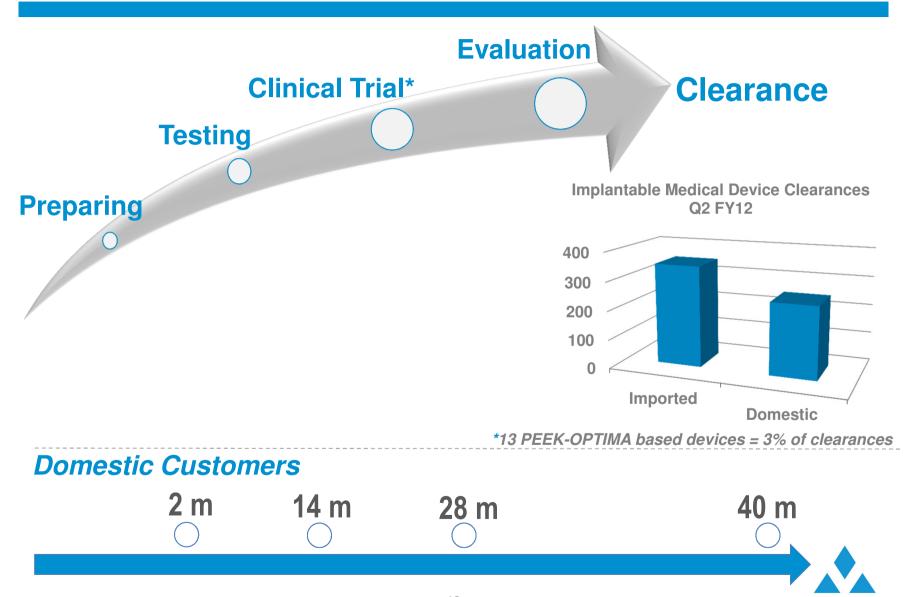
Global Regulatory Presence



- ✓ Medical device regulatory professionals
- ✓ Regional clearance process expertise
- ✓ Regulatory agency knowledge and collaboration

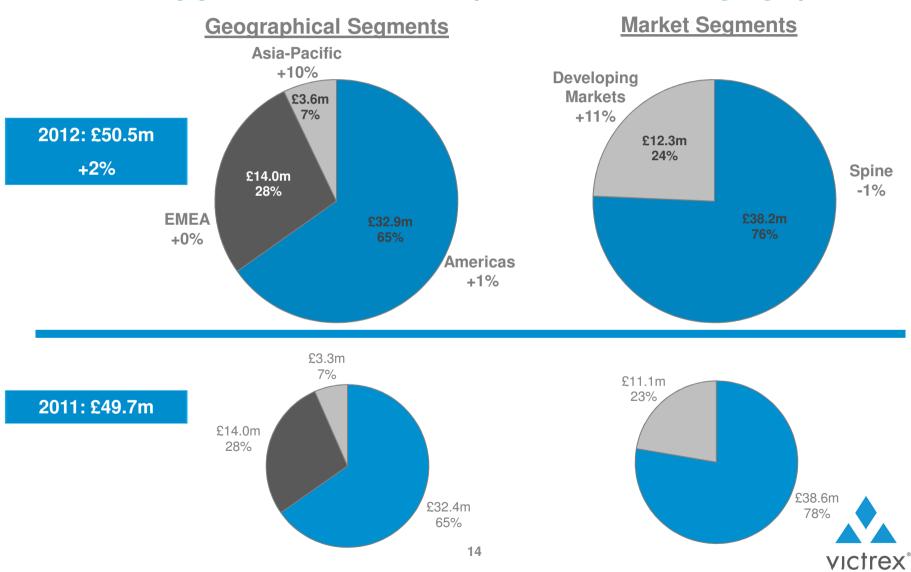


Example: China SFDA Clearance Process



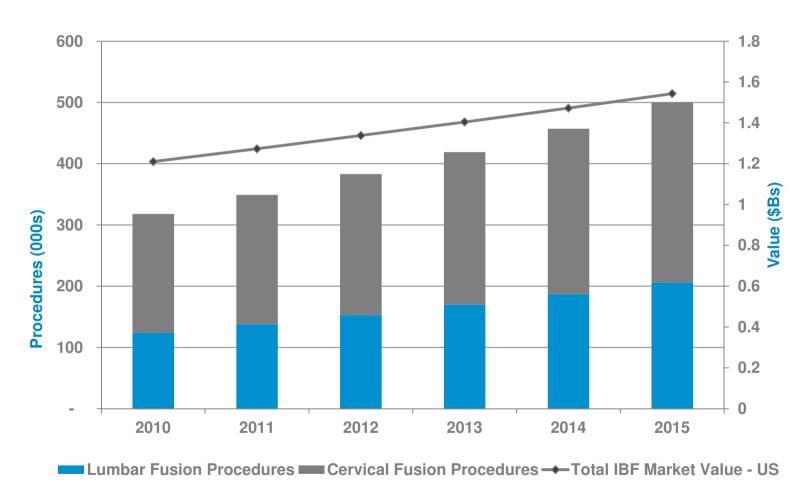
Our Business – Key Markets

Accelerating growth outside of core spine and established geographies



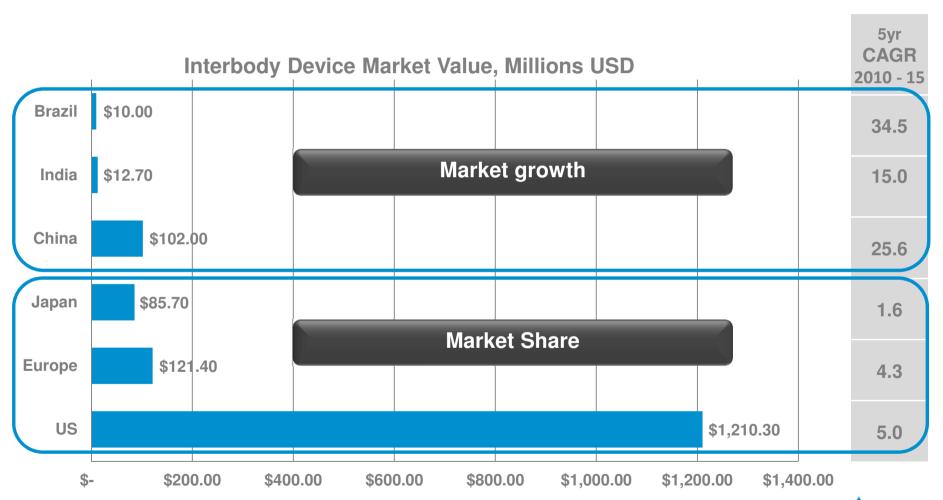
Core US Market

Cervical growth presents opportunity





Industry Focus on New Markets





Right to Win

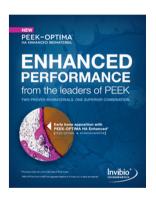
Leverage position to drive Growth

Market Leader

✓ Blue Chips, start-ups, across Geographies







Market Knowledge

✓ Positioned well to listen and deliver to customer needs beyond today

Market Focus

✓ Focus on solving regional complexities ahead of our customers to drive shared growth





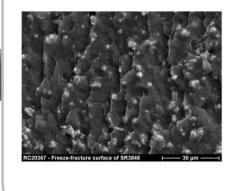


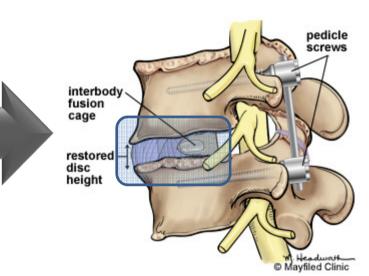
Interbody Fusion

Protect & extend leadership

Industry Standard





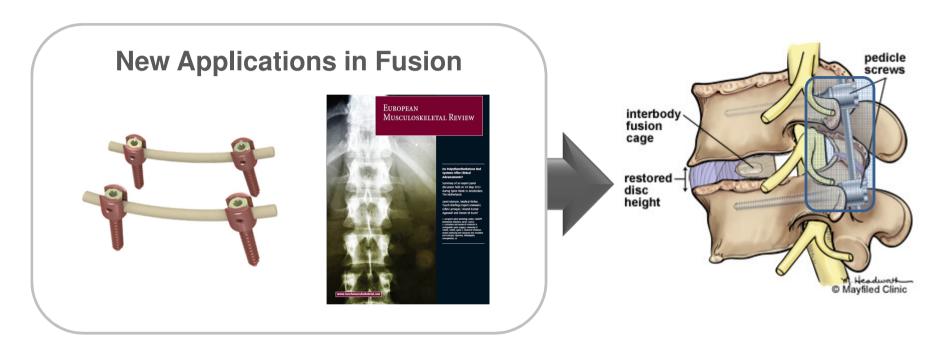


- ✓ High penetration within US /EU markets
- ✓ **Low penetration** in high growth, emerging geographies
- Clinical benefits for patient
- Economic advantage for customer
- ✓ **Differentiation and value** capture for Invibio



Leadership

More PEEK-OPTIMA per fusion



- ✓ <u>Invibio delivers</u>: value material, manufacturing, regulatory, testing
 - ✓ Clinical benefits for patient
 - ✓ Economic advantage for customer
 - ✓ Invibio value capture per procedure



Developing Markets

Right to Win

Growth potential beyond Spine

Demonstrated success within Arthroscopy

✓ Increasing penetration in high procedure market











Targeted application growth opportunities

✓ Accelerate growth where Surgeon acceptance and clinical benefit have been established

(A) SYNTHES

Future application prioritisation

✓ Clear focus in prioritizing pipeline of new market growth opportunities









Business Aligned with Markets



Applications where PEEK provides clear benefits

Help establish benefits to access premium pricing

Target small innovators / global players

Optimise our position in the value chain

Proprietary regulatory position

Invibio Focus

New Application Leadership-Today

High value removable dentures

Proposition

✓ Targeting the 1.5m high value frames per annum market



- ✓ JUVORA brand established to sell a CE marked disc direct to dental labs
- ✓ Initial market introduction CY13 with 10 tier one labs



Benefits

- ✓ Benefits to patients in terms of comfort, fit and feel
- ✓ Low risk, fast clinical feedback application





New Application Leadership-The Future

Trauma Plates and Nails

- ✓ Initial composite trauma devices are in use and approved via the faster access 510k regulatory route in the US
- ✓ Key clinical benefits are fatigue and accelerated healing



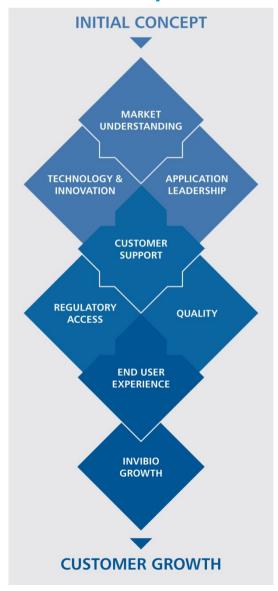
Femoral Components of Knees

- ✓ Longer term Class III device but estimated to be one of the most common surgical procedures (1.3m procedures per annum)
- ✓ Key clinical benefits need to be established but PEEK-OPTIMA offers device companies the potential to significantly change cost base – IP rich area



Summary

Initial Concept to Customer Growth



✓ Opportunity Development

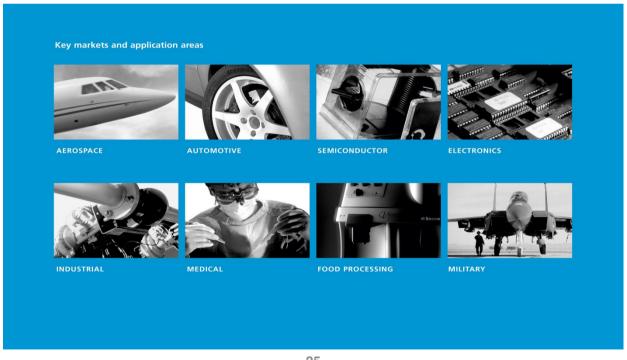
✓ Product Realisation

✓ Value Creation



Victrex Polymer Solutions







Victrex Polymer Solutions

✓ Strategy & Business Overview Tim Cooper

✓ Capacity Investment Kenny Gilmour

✓ Summary Tim Cooper



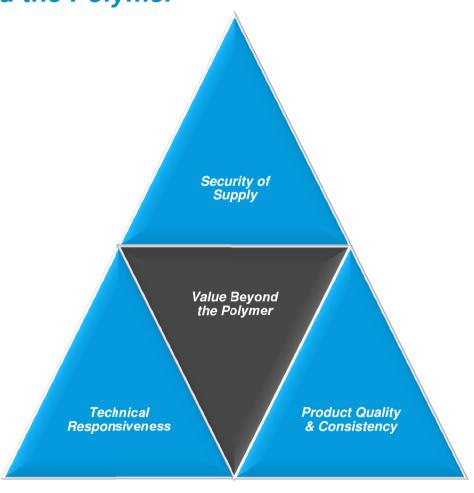
VPS Strategy





Customer Proposition

Value Beyond the Polymer





Megatrends

Responding to the changing world

Major themes Industry impacted Clean energy initiatives Industrial Climate change **Energy efficiency to mitigate climate change Transport** New legislation and environmental control programs Oil & Gas Natural resources being depleted at increasing rates Natural resource **Alternative energy** Widening efforts to offset supply constraints, e.g. process scarcity efficiencies, automation, technological advances **Nuclear** Mass transit and other infrastructure required to satisfy **Electronics** urbanisation **Urbanisation Transport Building efficiency Electronics** · Weak growth outlook for developed economies The new economic · Emerging markets expected to be the true driver of world Industrial growth map **GDP** growth **Transport**



Transport

VICTREX PEEK – a Key Enabler for Industry Trends

Our markets	Industry Trends	Impact	Opportunity
 Automotive Aerospace 	 Maximizing Performance Reliability Safety Minimizing Fuel consumption Weight Cost 	 Specification of materials that: -withstand harsh environments reduce manufacturing costs 	Light weighting via metal replacement Ease of manufacturing by combining several components into a single part
		- offer processing flexibility	Easier assembly for manufacturers and overall reductions in operating costs



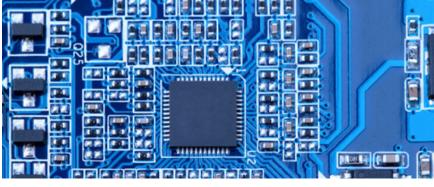




Electronics

VICTREX PEEK – a Key Enabler for Industry Trends

Industry Trends Our markets Impact Opportunity Specification of Maximizing Mobile phones Superior -Performance and materials that: Circuit boards processability reliability **Printers** providing a **LEDs** -Portability -Provide greater cost-effective material -Wireless/ high design flexibility **Connectors** solution frequency **Batteries** -Part life -Can be mass HDD (Hard disk High melt and produced drives) continuous operating Minimizing Computers temperatures -Environmental -Improve acoustic Switches impact performance Use of APTIV film to provide quality -Reduce part size acoustic performance in small spaces







Industrial

VICTREX PEEK – a Key Enabler for Industry Trends

Our markets

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Opportunity

- Oil & Gas
- Food Processing
- Textile Machinery
- Renewable Energy

Maximizing

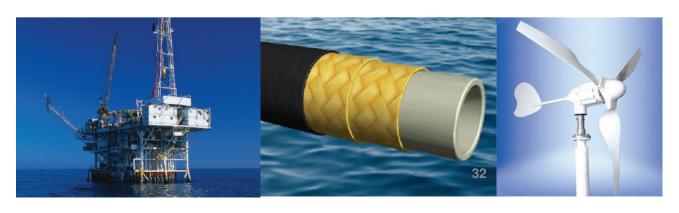
Industry Trends

- -Exploration in higher temperatures & pressures in more chemically aggressive conditions
- -Application development in nuclear, geothermal, hydro, solar and wind power
- Minimizing
 - -Losses due to downtime associated with component failure

Specification of materials that:

Impact

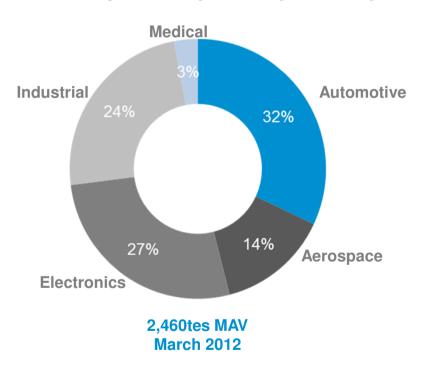
- -Significantly improve efficient resource recovery
- -Deliver reliable performance at higher temperatures, higher pressures & extreme water depths
- Victrex high performance materials are chosen for their unique combination of chemical, electrical, wear, hydrolysis and temperature resistance properties
- APTIV film provides all the performance properties of VICTREX PEEK polymer in a flexible film format
- VICOTE Coatings offer excellent wear, abrasion and scratch resistance





Strong & Diverse Pipeline

Development Pipeline by Industry

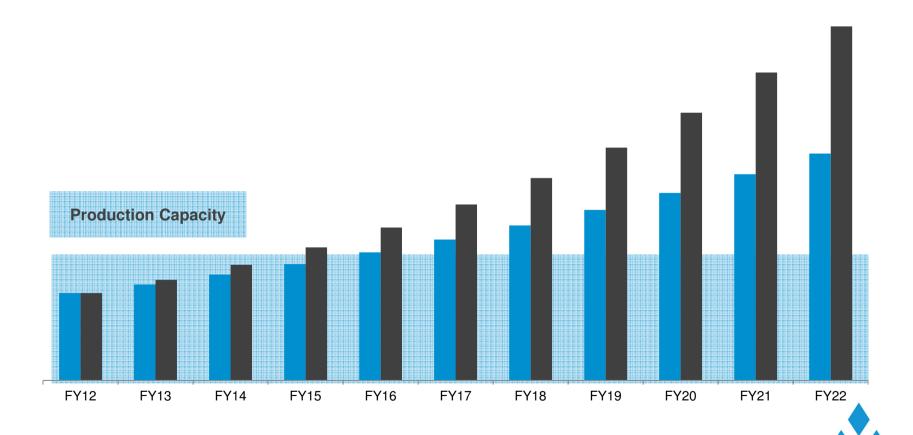


- ✓ Market led, customer focused, approach to growth
- ✓ Leverage our application development and technical organisations
- ✓ Strong pipeline across multiple industries



Growth Scenarios v Existing Capacity

Annual growth extrapolated at 10% Annual growth extrapolated at 15%



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Growth Drivers

- ✓ Growing market for PEEK
- ✓ Strong & diverse pipeline
- ✓ Technical Programs
- ✓ Capacity headroom



Capacity Investment

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Construction of new PEEK capacity announced October 2012



Capacity Investment

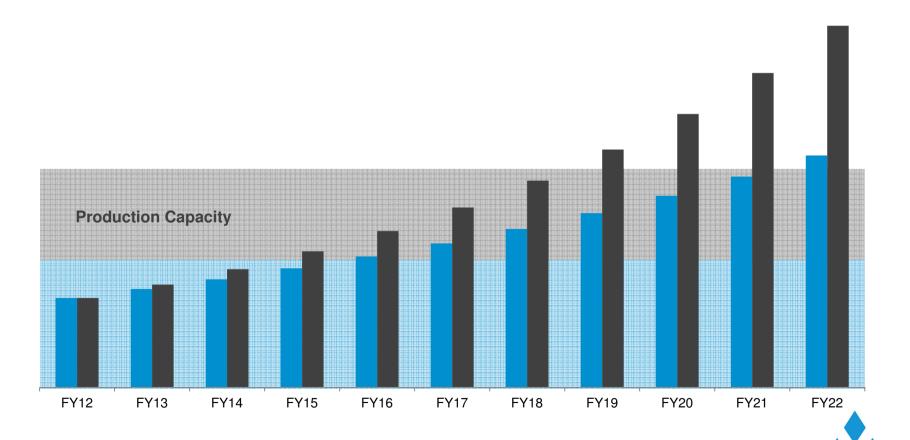
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Hillhouse site location



Growth Scenarios v Increased Capacity

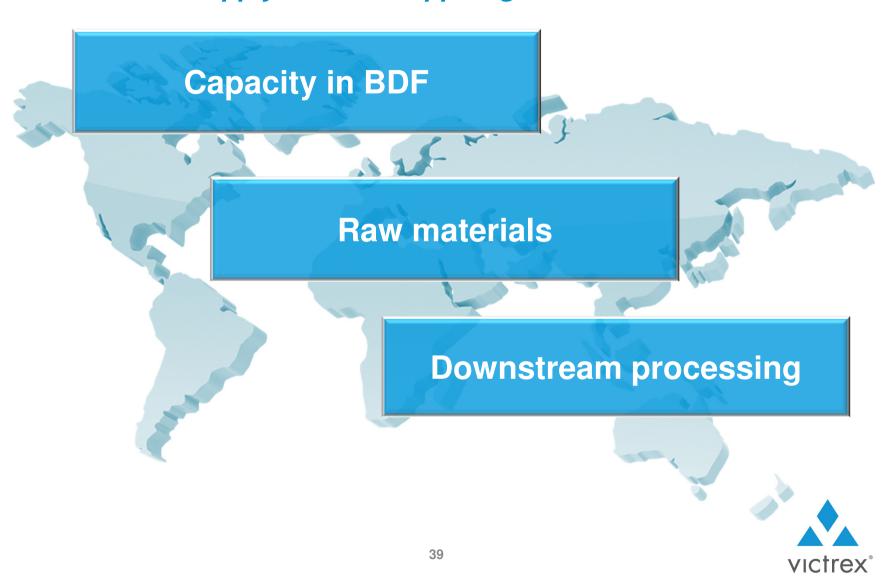
Annual growth extrapolated at 10% Annual growth extrapolated at 15%



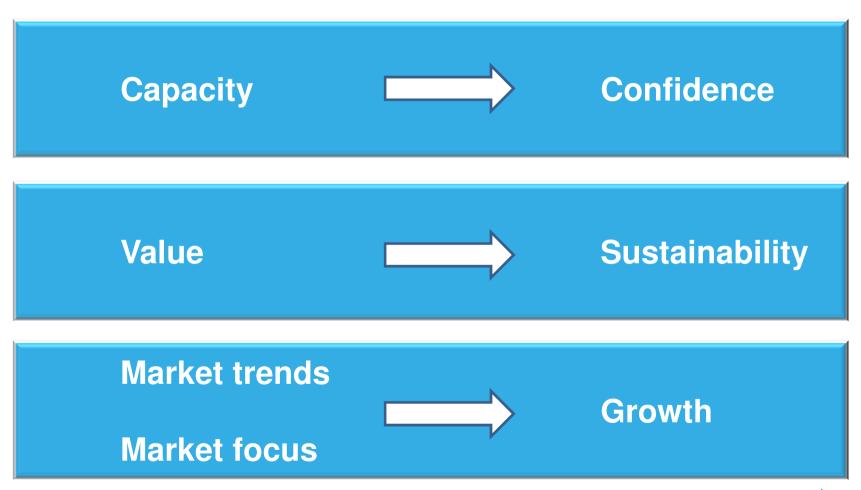
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Supply Chain

Investment in supply chain to support growth



Summary







Questions?







Tour of facilities

12:30 Informal lunch

13:20 Group 1 – VPS Technical Centre

Group 2 – Invibio Manufacturing Facility

13:40 Group 1 – Invibio Manufacturing Facility

Group 2 – VPS Technical Centre

14:00 Peek Production Facilities

14:50 Return to VTC & depart

