#### ÖSSUR HF. CAPITAL MARKETS DAY COPENHAGEN - ADMIRAL HOTEL NOVEMBER 30<sup>TH</sup>, 2011 AGENDA



Life Without Limitations\*

08:15-08:30	Registration and coffee
08:30-08:40	Welcome and Company Video – Sigurborg Arnarsdóttir, IR Manager
08:40-09:10	Strategy and Key Highlights – Jón Sigurðsson, President & CEO
09:10-09:35	The Mexico Manufacturing facility - William Brown, VP of M&O Americas
09:35-10:00	Össur France – Frederic Girard, General Manager Össur France
10:00-10:15	BREAK
10:15-10:40	Medical Office – Dr. Þorvaldur Ingvarsson, Medical Officer
10:40-11:00	New Products 2011 - Hilmar B. Janusson, VP of R&D
11:00-11:20	Team Össur and marketing – Edda Heiðrún Geirsdóttir, Director of Global Marketing
11:20-12:00	Oscar Pistorius - tells his story and gives insight into his fight to be able to compete
	against able bodied athletes
12:00-13:00	LUNCH

#### Location:

ÖSSUR

Admiral Hotel Toldbodgade 24-28 DK-1253 Copenhagen

www.ossur.com

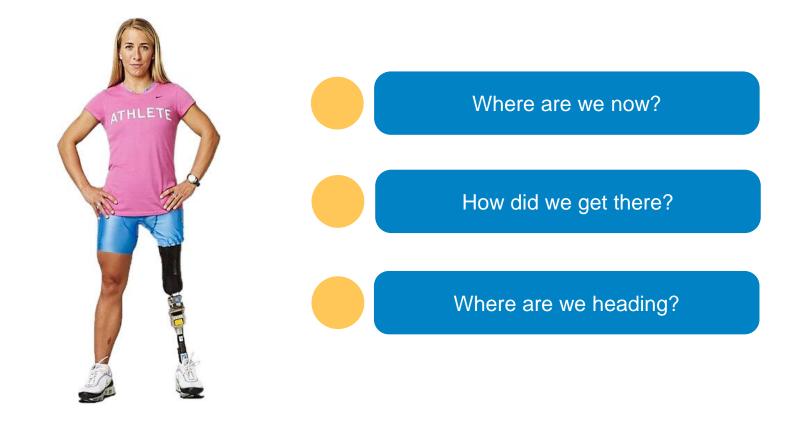
# STRATEGY AND KEY HIGHLIGHTS

Jón Sigurðsson President & CEO



Life Without Limitations<sup>®</sup>









Where are we now?

How did we get there?

Where are we heading?

## ÖSSUR – WE ARE...



#### A global orthopaedics company

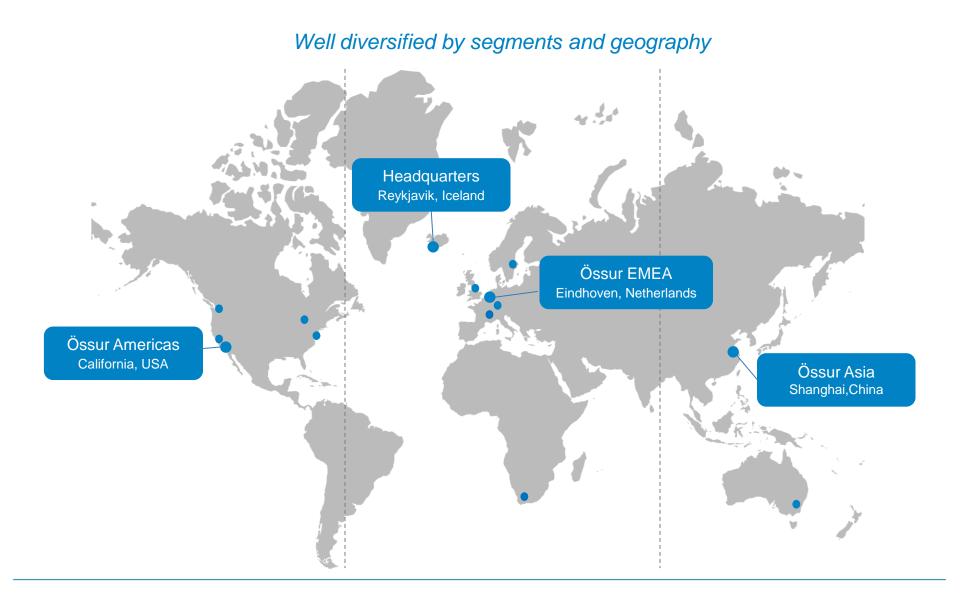
Growing through innovation

Positioned for future growth



## **GLOBAL OPERATIONS – 1800 EMPLOYEES**







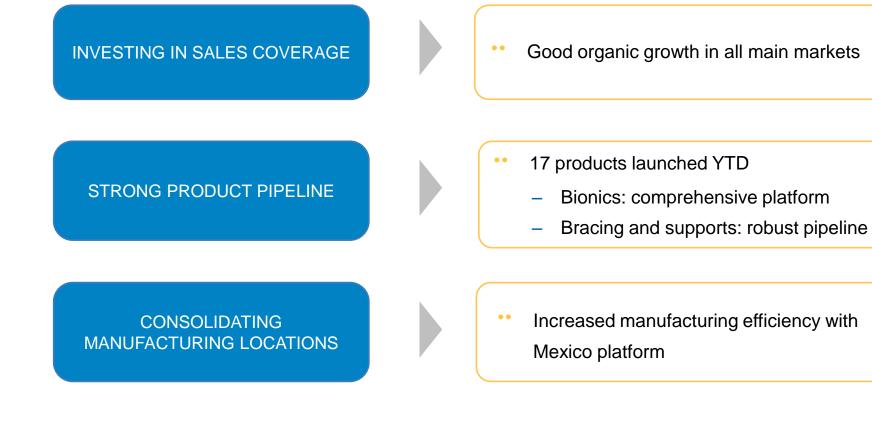
BRACING AND SUPPORTS	PROSTHETICS
52% of sales	43% of sales
<ul> <li>Products for therapeutic and preventive purposes</li> </ul>	<ul> <li>Replacement of missing limbs</li> </ul>



Market information based on industry analysis and management's estimates.

# **HIGHLIGHTS 2011**









Where are we now?

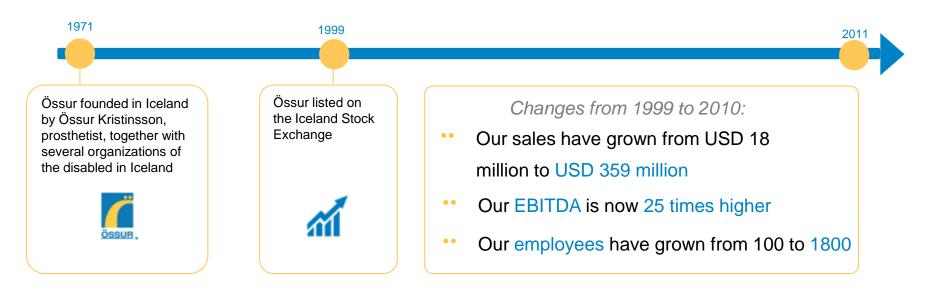
How did we get there?

Where are we heading?

**GROWTH STORY** 

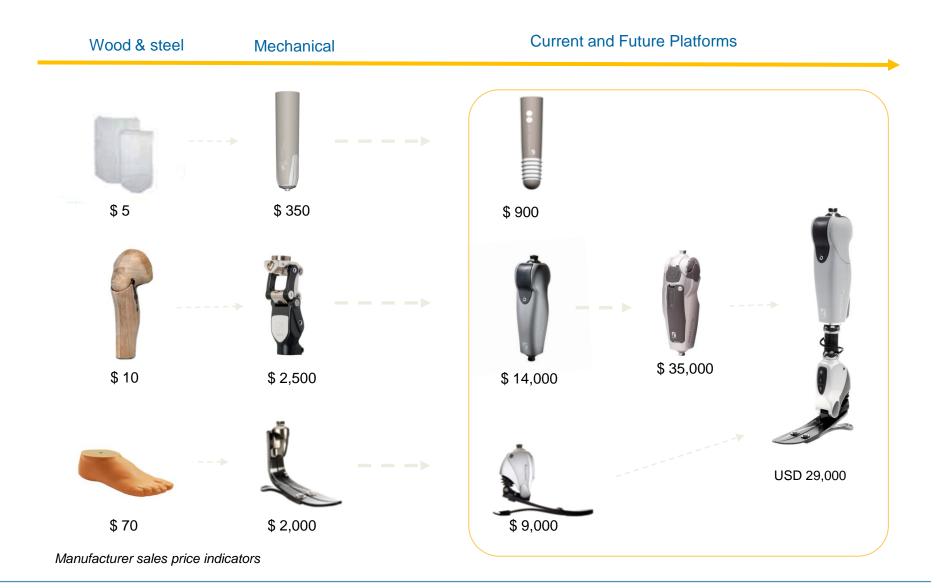


#### From an O&P workshop in Iceland to a global innovative orthopaedic company



# **PROSTHETICS - VALUE THROUGH INNOVATION**

ÖSSUR. Life Without Limitations



#### **BRACING AND SUPPORTS PLATFORM**









Where are we now?

How did we get there?

Where are we heading?

#### **EXTERNAL ENVIRONMENT**

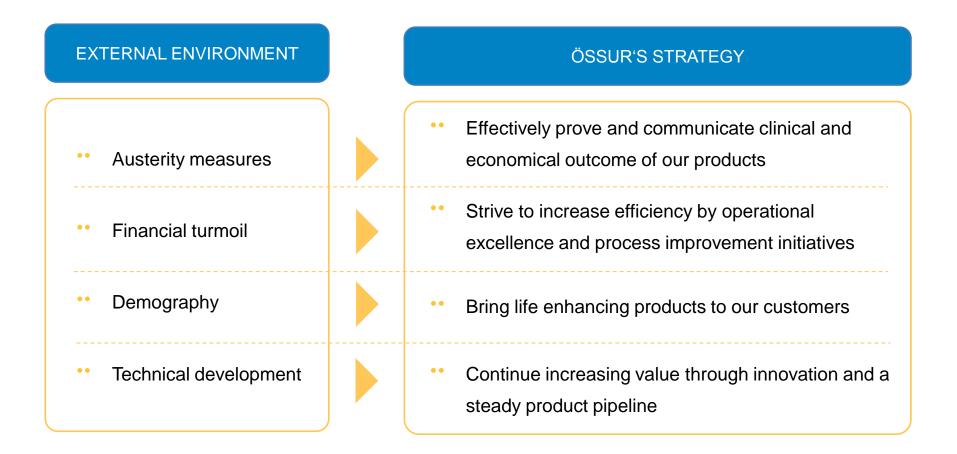


HIGHLIGHTS

- •• Austerity measures changes in healthcare delivery
- •• Financial turmoil limited impact
- •• Demography aging population
- Technical development endless possibilities

# **GOING FORWARD....**





## **GOING FORWARD....**





# Generating value for individuals and healthcare systems

# WE IMPROVE PEOPLE'S MOBILITY



# MANUFACTURING & OPERATIONS

*William Brown, VP of M&O, Ossur Americas* 



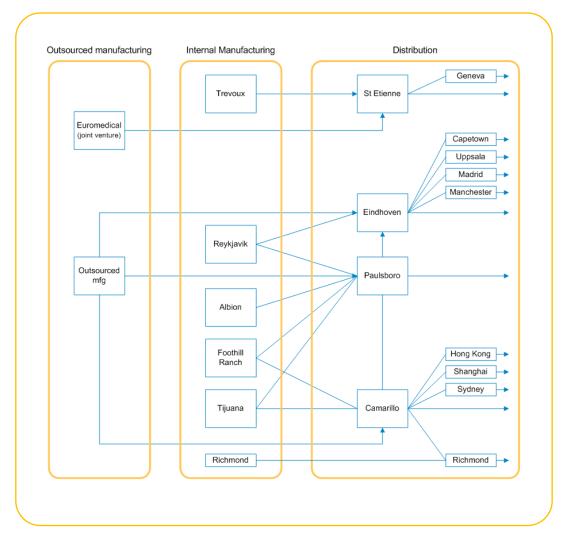
Life Without Limitations<sup>®</sup>

## **MANUFACTURING & DISTRIBUTION LOCATIONS**



# **ÖSSUR GLOBAL DISTRIBUTION NETWORK**







#### **PROSTHETICS** - MAIN MANUFACTURING ACTIVITIES



•• The majority of the manufacturing activities within prosthetics is located in Iceland

Location	Products		OTS/CM	Process	Materials / function	
	Liners	8		OTS	Molding	Silicone
	Feet	)	U	OTS assembled from standard components	Lay-up	Carbon fibers
Iceland	Bionics	1		OTS	Assembly	Mechanics & electronics
	Adaptors & components			OTS	Assembly	Metals
	Machined parts			OTS	CNC machining	Metals
Michigan	Knees	9	ţ	OTS	Assembly	Mechanical

Note: OTS means "off-the-shelf" and CM means "custom made"

- MAIN MANUFACTURING ACTIVITIES



•• Products within the dotted line will have been transferred to Mexico by year-end 2011.

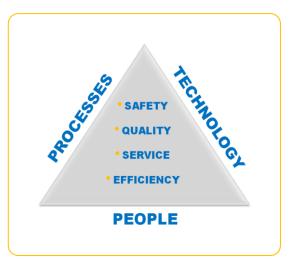
Location	Products	OTS/CM	Process	Materials/ Function	
New Jersey	Collars	OTS	Injection molding Thermoforming Soft goods	Plastics Textile Soft materials	
 California	Braces IS & GII	См	Custom manufacturing	Plastics Reinforced plastics Carbon fibers Textile	
Asian suppliers	Bracing & Support	OTS	Cut & sew Injection molding Assembly	Plastics Textile Metals Carbon fiber	
France	Bracing & Support Compression therapy	OTS	Cut & sew Knitting	Textile	

#### **M&O MAIN FOCUS AREAS**



#### **FOCUS AREAS**

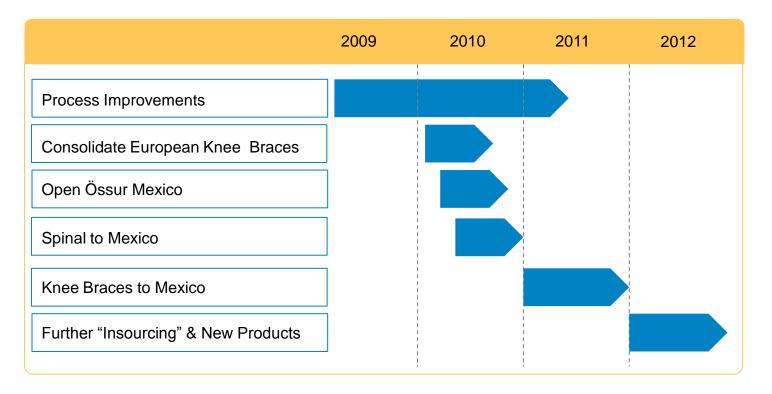
- •• Safety employees and assets
- •• Product quality
- •• Service reliable delivery to customers
- Cost leadership
  - Consolidation projects
  - Lean Manufacturing
  - Continuous improvement culture
  - Product design with low cost manufacturing



# **MAIN INITIATIVES & PROJECTS**



- Consolidation of manufacturing units
- Increased efficiency, via consolidation and lean manufacturing
- •• Reykjavík and Mexico will become the main manufacturing facilities



## **MEXICO OPERATION**



- •• 125 employees currently
- •• 160 employees at year-end



## **MEXICO OPERATION - MAJOR MILESTONES**



#### 2010

- •• First employees hired August
- •• Spinal products transfer completed December
- •• 45 employees at year-end

## 2011

- •• Official inauguration event September
- Foot Covers and Knee Braces transferred from US
- 160 employees at year-end

#### 2012

- More products transferred; site consolidation continues
- New R&D projects introduced for manufacture

Focus on: safety, quality, cost, productivity - driving to world-class performance by 2015

## **MEXICO OPERATION – OFFICIAL OPENING IN SEPTEMBER**



Life Without Limitations\*

- Grand Opening attended by Mexican • • governor and 200 guests
- The transfer has been efficient and •• manufacturing quality excellent
- State of the art equipment . .
- Highly qualified employees • •
- Savings as of 2012 USD 4 million ••



#### WHY MEXICO?



#### Close to Össur location in California

- Favorable for custom manufacturing – Asia is hardly an option

- Favorable for efficient new product launches in B&S as R&D is in Foothill

#### •• Costs

Employee cost in Mexico 25% of labor cost in US and Europe

#### Logistics

Mexican goods cross the US border smoothly on daily basis More favorable than Asia for the US market as well as Europe

#### •• Risk

Mexico is less risky than China in terms of IP protection, quality assurance, travel costs, and communication

#### •• Skills

Governments and schools in several states collaborate with the industry to ensure high-skilled manpower for high-tech and other important sectors

#### •• Trade

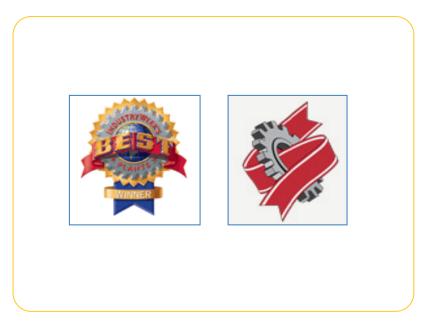
NAFTA and similar free-trade deals with Japan, Europe, and most of Latin America, give Mexico duty-free access to more markets than any other country

# **M&O PATHWAY TO OPERATIONAL EXCELLENCE**



An integrated effort to eliminate waste and drive efficiencies into key manufacturing and distribution sites, while leveraging improvements to all Össur facilities, with the goal of becoming "World-Class" by 2015

- Lean Manufacturing
- Execute excellence initiatives in manufacturing and distribution
- Culture of continuous improvement
- Employee engagement
- •• Goal of becoming "World-Class" by 2015



# **ÖSSUR FRANCE**

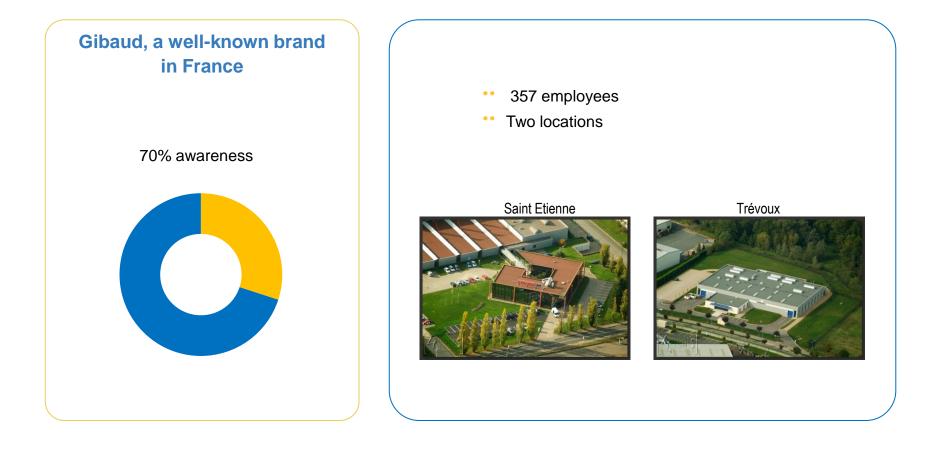
Dr. Fréderic Girard Managing Director



Life Without Limitations<sup>®</sup>

# ÖSSUR FRANCE

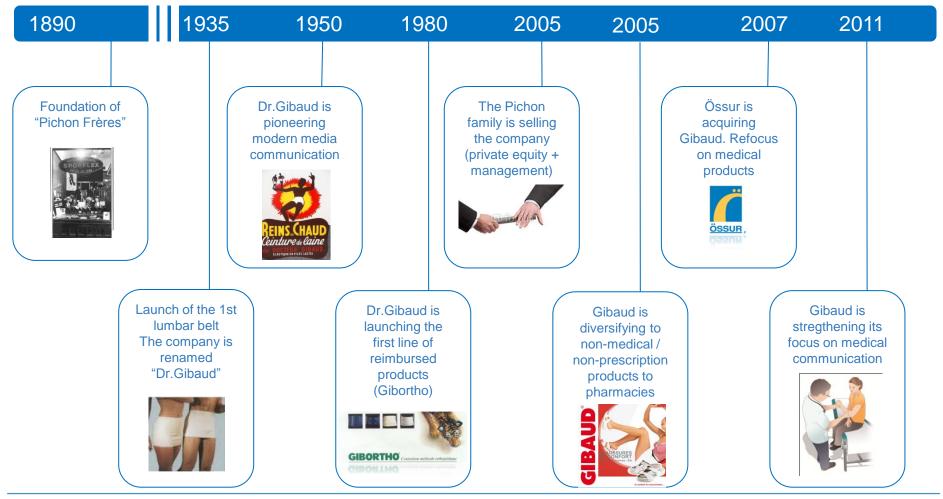




# HISTORY - OVER 120 YEAR OLD BRAND



#### Gibaud: 120 years of technical textiles, 80 years of medical know-how

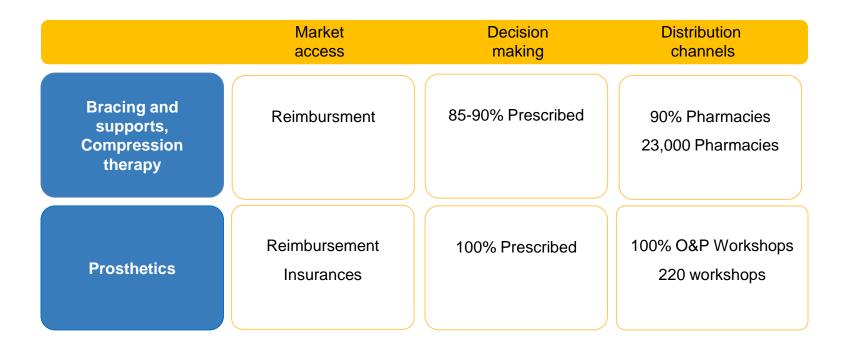


#### THE MARKET FUNDAMENTALS



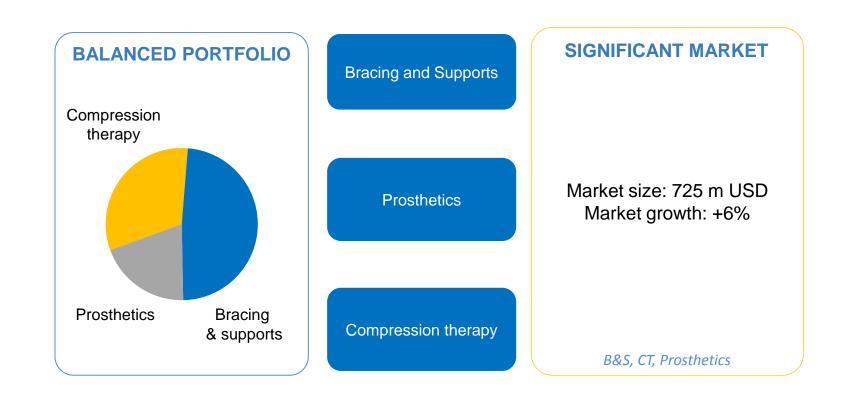
#### Bracing & Support Compression therapy

same market fundamentals, complete synergy



#### **PRODUCT SEGMENTS AND MARKETS**

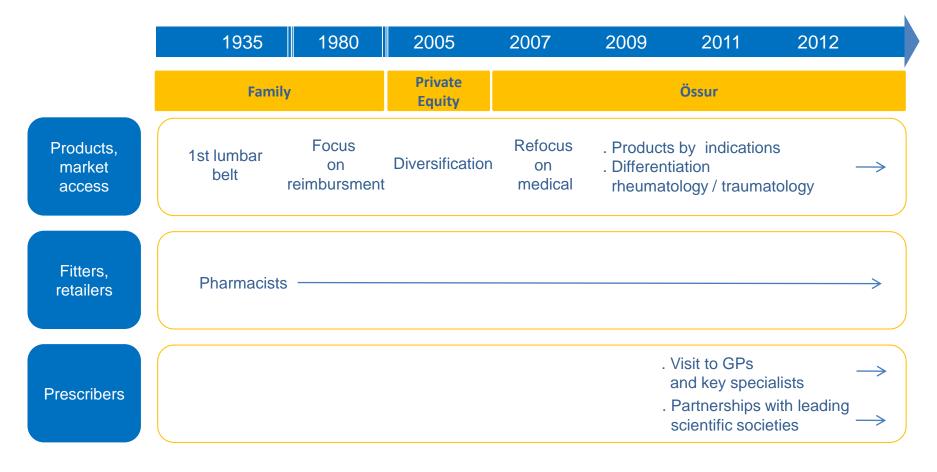




## **BRACING & SUPPORT – A MEDICAL JOURNEY**



#### Major refocus on medical - products, prescribers and influencers





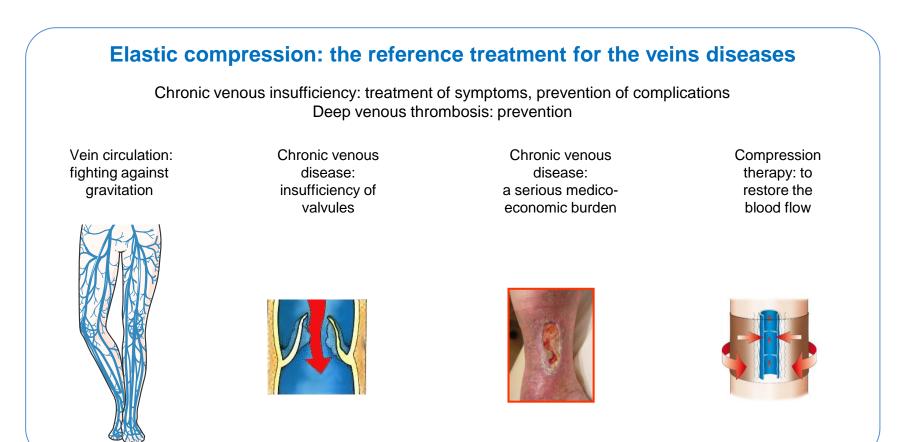
#### Synergies from the Gibaud acquisition – cross selling opportunities



## **COMPRESSION THERAPY - AN HISTORICAL LEADER**

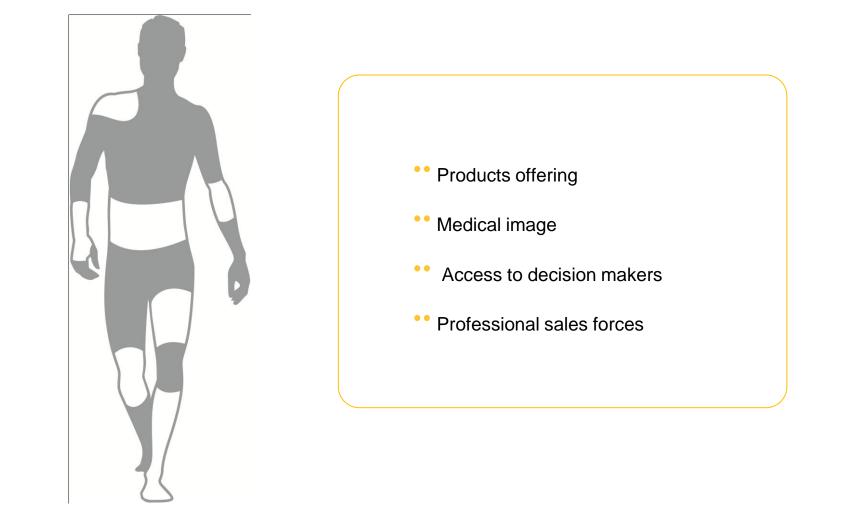


#### Compression therapy is addressing another segment of vascular diseases



#### **KEY DRIVERS FOR GROWTH**





## **PRODUCT OFFERING BRACING & SUPPORTS**



A premium portfolio driven by medical indications / needs, easy to understand for the prescribers, the fitter and the patient

#### **Back pains:** a major medical burden

- 30% of the population\*
- 12,5% of all sick days\*\*
- 185 m days restricted activity
- 83 m days confined in bed\*\*\*

\* USA \*\* UK \*\*\* USA chronic back pain

**Gibaud lumbar belts:** A revamped offer to answer each patients' profile



LOMBOGIB®

UNDERWEAR

HOMME & FEMME







LOMBOGIB® WORKWEAR & JEANSWEAR

LOMBOGIB® DOUBLE ACTION

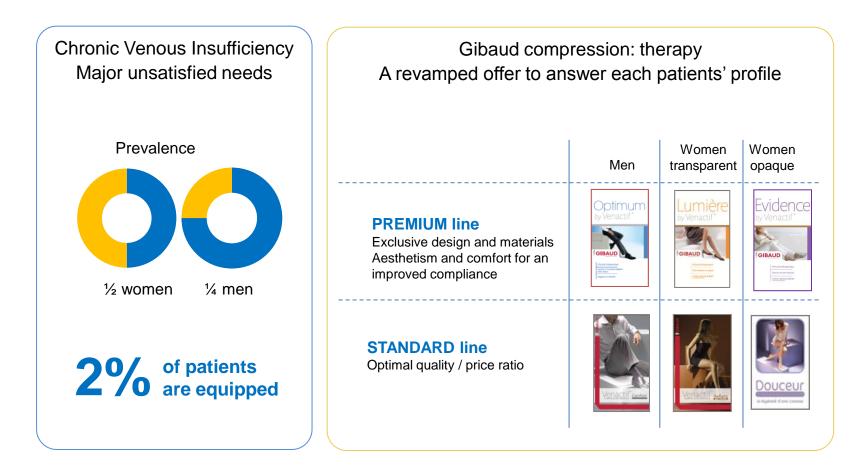
LOMBOGIB ARTHROSE

severity

## **PRODUCT OFFERING COMPRESSION THERAPY**



#### A premium portfolio driven by medical indications / needs, easy to understand for the prescribers, the fitter and the patient



#### **MEDICAL IMAGE**



#### A solid medical positioning to support the image of the products





Attentes, éducation thérapeutique et satisfaction des personnes au port d'une compression élastique en pharmacie d'officine Expectations, therapeutic education and satisfaction of users of elastic compression in pharmacies

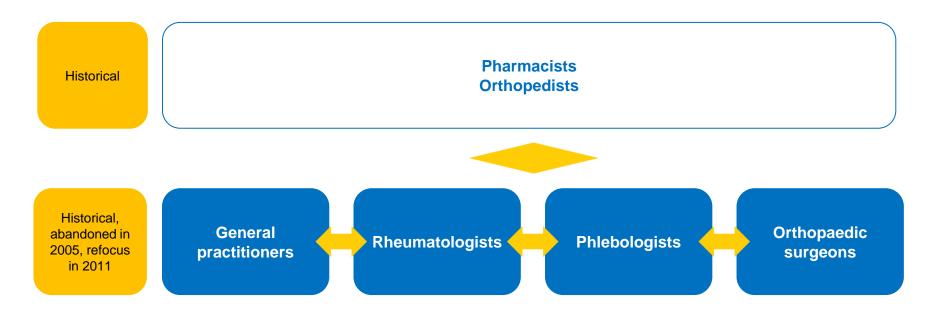
#### 5,000 patients

Dr JL Gillet, President ,French Society of Phlebology Pr FA Allaert, Vice President ,French Society of Phlebology

## ACCESS TO DECISION MAKERS

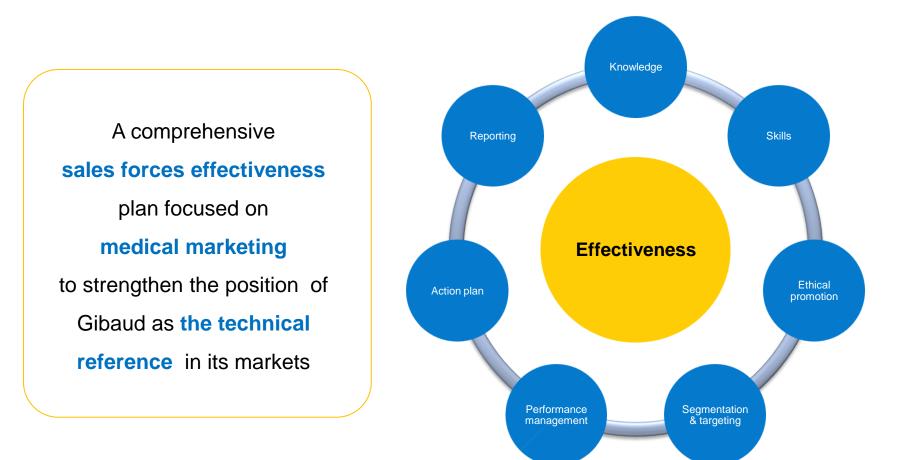


#### Refocusing on decision maker's education



#### **PROFESSIONAL SALES FORCES**

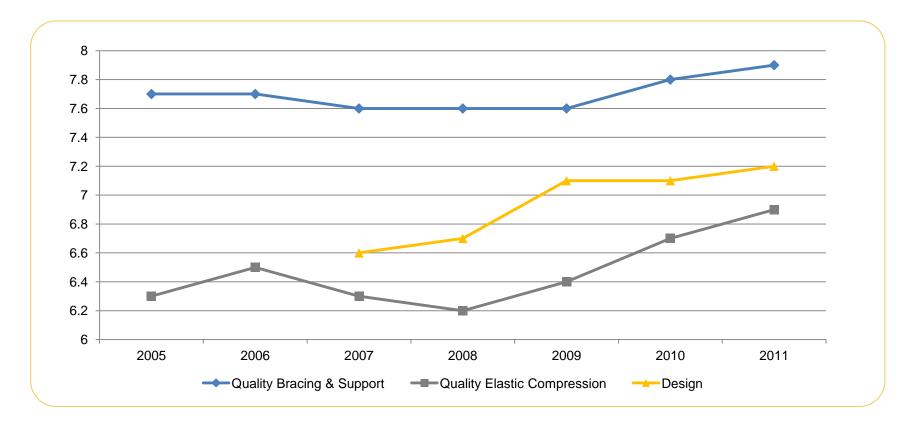




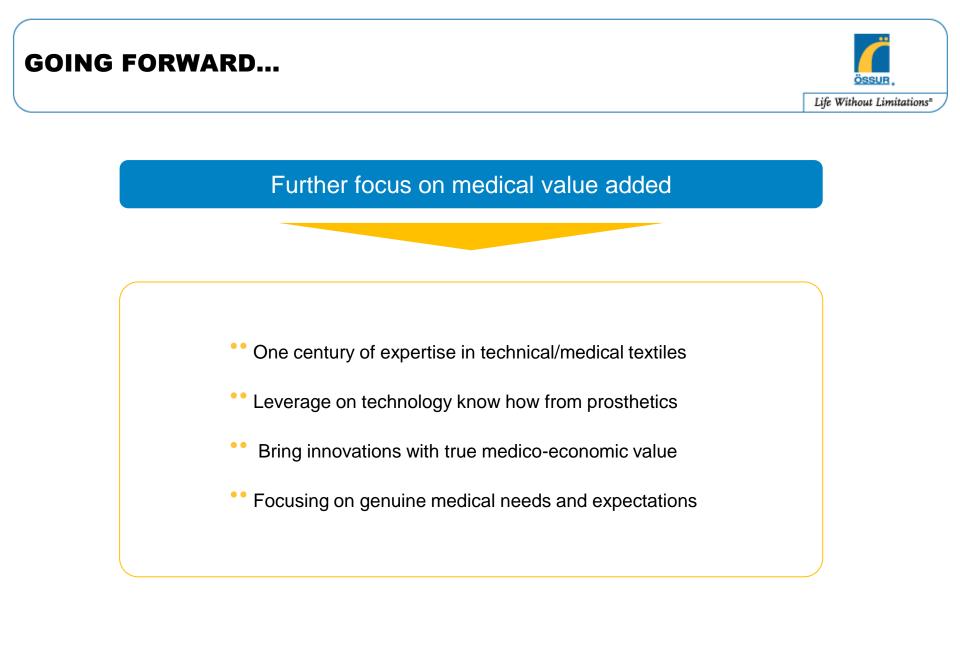
## A CUSTOMER CENTRIC ORGANIZATION

#### A sustained improvement of the customers' perception

Life Without Limitations\*



#### Source: IPSOS



# **MEDICAL OFFICE**

Dr. Þorvaldur Ingvarsson Medical Officer



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#### HOW DO WE IMPROVE PEOPLE'S MOBILITY?





## **MEDICAL OFFICE – PROVIDING PROVEN CLINICAL BENEFITS**



Life Without Limitations<sup>\*</sup>

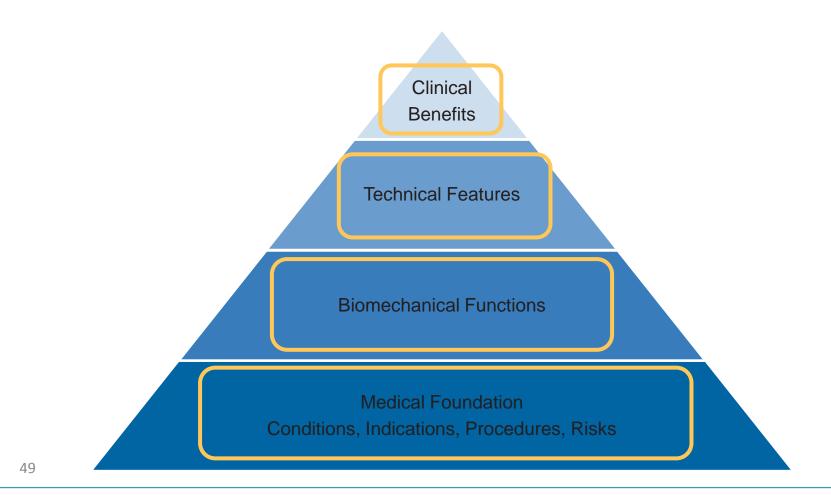
- Documentation of clinical benefits
- Clinical studies
- Development of protocols
- Design of new products
- Educational material
- \*\* Reimbursement justification



## **MEDICAL NECESSITY**



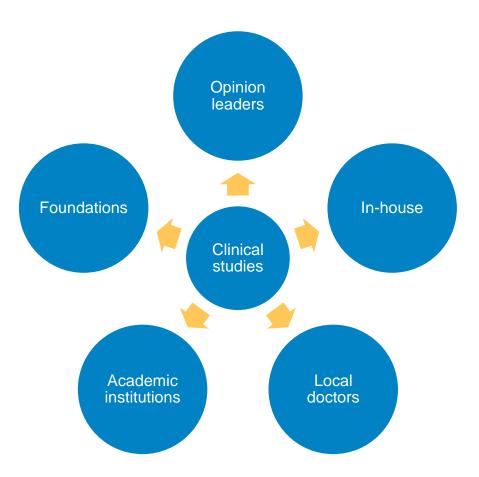
Build into a coordinated system; medical foundation biomechanical understanding, technical features and clinical benefits



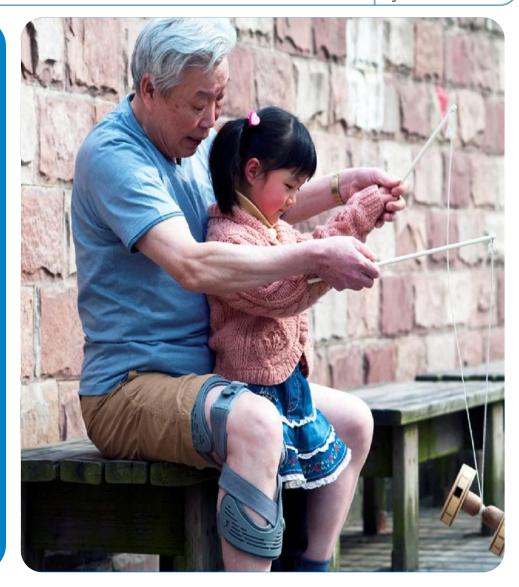
## **CLINICAL STUDIES WITH DIFFERENT STAKEHOLDERS**



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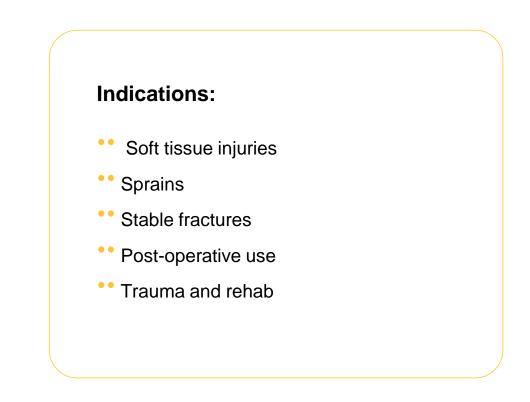
## STUDIES THAT PROVE CLINAL BENEFITS

## FOOT & ANKLE WALKERS – TESTING OF FUNCTION





#### The Rebound Air Walker - latest addition to the Össur line of walkers



## WALKERS VS. CAST

- Do walkers immobilize as well as a cast?



Cast seen as the golden standard in Europe wheras walkers more frequently used in the US

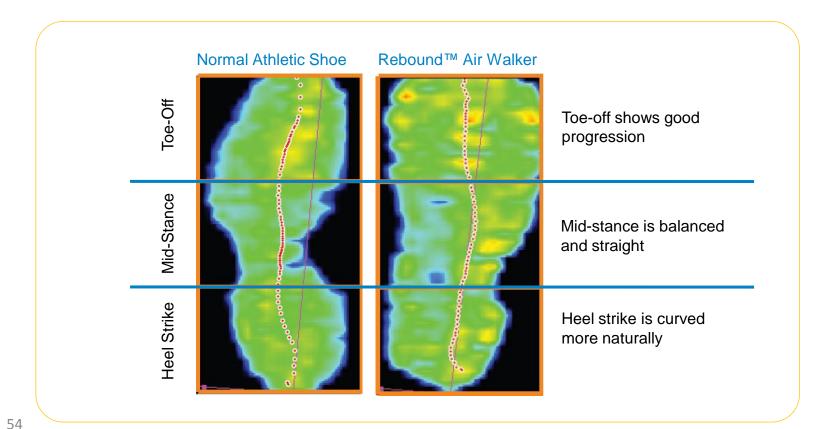


#### **GAIT DYNAMICS COMPARISON**



Foot scans were performed on the Rebound Air Walker to objectively measure the pressure patterns and analyze the gait dynamics

\*\* The red dots represent Center of Pressure plotted in time



## WALKERS - PROVEN CLINICAL BENEFITS



#### The Össur walkers are as good as cast and superior to other walkers

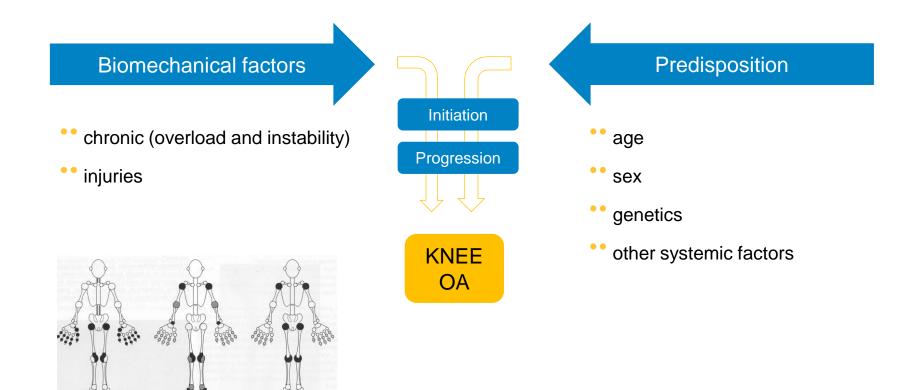


- Better pressure distribution than in a plastic cast
- Restrict flexion and extension as well as plastic cast
- Shorter rehab time
- \*\* Better quality of live

## WHAT CAUSES OSTEOARTHRITIS (OA)



OA is a leading cause of disability in the "western" world, accounting for half of all chronic conditions in persons aged 65+



Nodal generalized O/

Pyrophosohat

Apatite associate

#### THE DOMINO EFFECT

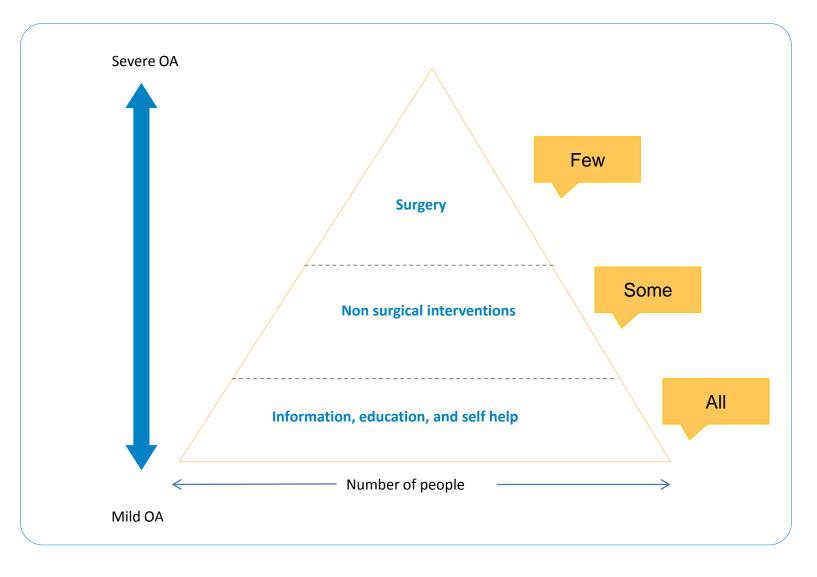




- High Blood Pressure, Heart Disease, Diabetes
  - Obesity
    - Hypertension, Sleep Apnea, Depression
      - More Weight Gain
        - Greater Stress on Knee
        - Food As Habit
        - Opposing Knee, Hip & Back Pain
        - Weight Gain
      - Lack of Exercise
    - Loss of Activity
  - Inconvenience
- Knee Pain

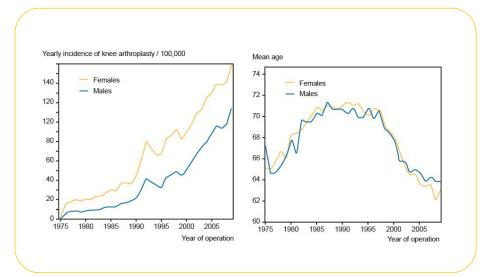
## HOW DO WE TREAT KNEE OA





#### **INCREASE IN DEMAND FOR TOTAL KNEE REPLACEMENTS**

#### Each operation is estimated to cost up to USD15,000



- Population is aging
- Number of people older that 65 expected to doubble between 1999- and 2020

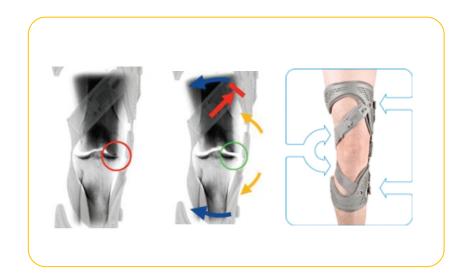
Life Without Limitations\*

 Dramatic increase in number of surgeries since 1975

## **UNLOADER ONE – HOW DOES IT WORK**

#### The Unloader One - clinically proven to reduce joint pain

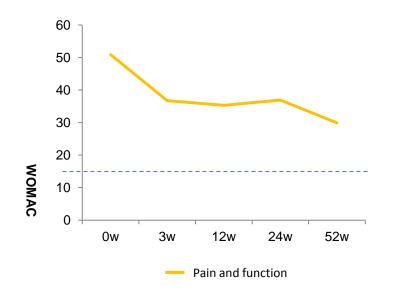
- •• Reduction of compartments loads
- Reduction of adduction movements
  - Less pain
  - Increased function
- \*\* Slows down the disese





## **UNLOADER ONE – PROVEN CLINICAL BENEFITS**





- •• Major pain relief with less medication
- Increased mobility
- Delays operations
- Clinically proven benefits supported by number of studies
- Major ongoing studies

IngvarssonT, Franklin J, Hardardottir E: Patients with moderate and severe OA do benefit from using a valgus knee brace. AAOS, March 2010.

Briggs KK, Matheny LM, Steadman JR, Aultman H:Use of an Unloader Brace for medial or lateral compartment Osteoarthritis of the Knee. Steadman Phillippon Research Institute, Vail, CO.AAOS, March 2010.

## THE KEY TO THE TREATMENT OF KNEE OSTEOARTHRITIS

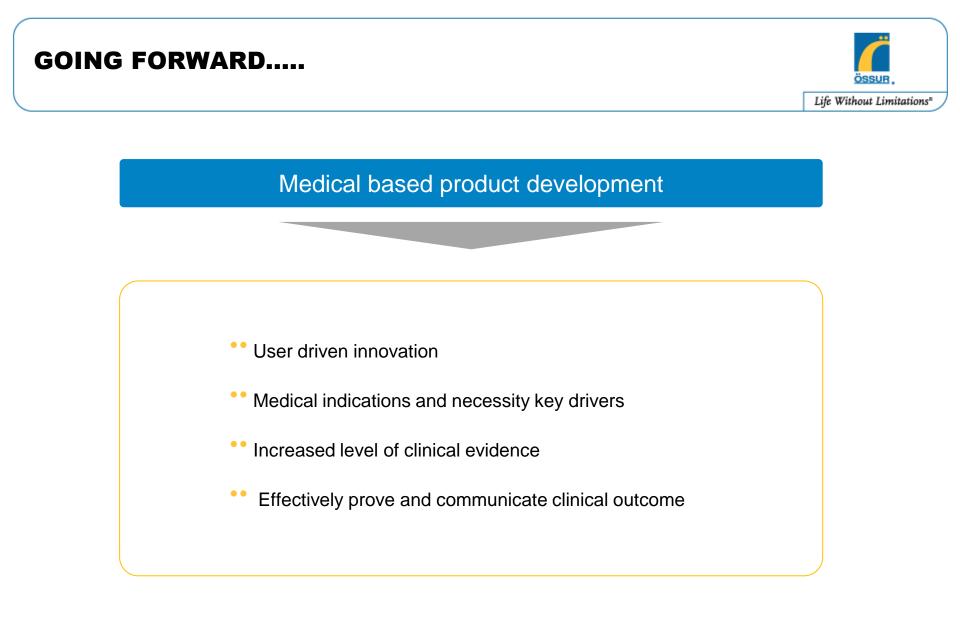
- Unload it



ÖSSUR

Life Without Limitations"

Waller C, Hayes D, Block JE, London NJ. Knee Surg Sports Traumatol Arthrosc. 2011 Nov;19(11):1823-9. Epub 2011 Feb 5. PMID: 21298256 [PubMed - in process] 62



## **R&D – NEW PRODUCTS**

Hilmar B. Janusson VP of R&D



Life Without Limitations<sup>®</sup>

## **B&S FOCUS BRANDS**



#### •• Flagship Products



#### •• Mainstream Products



## **PROSTHETIC FOCUS BRANDS**



#### •• Mechanical Products



•• Bionic Products

#### •• Mobility Products



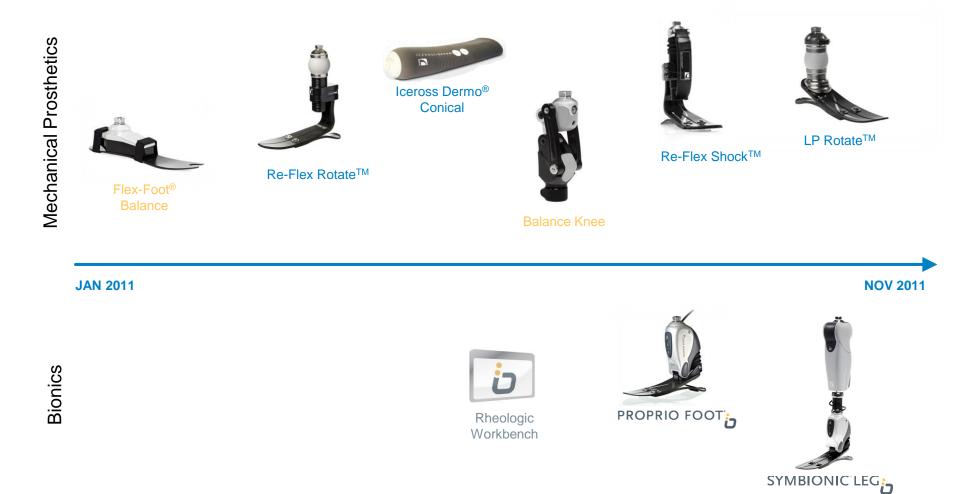
#### **RESEARCH AND DEVELOPMENT**



- •• 17 products launched YTD
- •• IP status: 113 new patents, 76 applications filed
- 10 clinical studies in 2011
- •• 9 scientific papers submitted
- Innovation is a key pillar in the strategy and the catalyst for organic growth

## **NEW PRODUCTS LAUNCHED 2011 - PROSTHETICS**





## **NEW PRODUCTS LAUNCHED 2011 – B&S**





#### **FLEX-FOOT**



#### **RE-FLEX FOOT SERIES**

- •• Maintaining leadership in high performance feet
- •• Designed for active lifestyle
- Flex-Foot characteristics with added function





#### **BIONIC TECHNOLOGY**





#### WORLD'S FIRST BIONIC LEG





#### FORM FIT



- Prolific product pipeline
- •• 4 New products in 2011
  - Form Fit Ankle
  - Form Fit Wrist & Thumb
  - Form Fit Knee Brace Range
  - Form Fit Foot-Up
- •• Mid-range value positioning









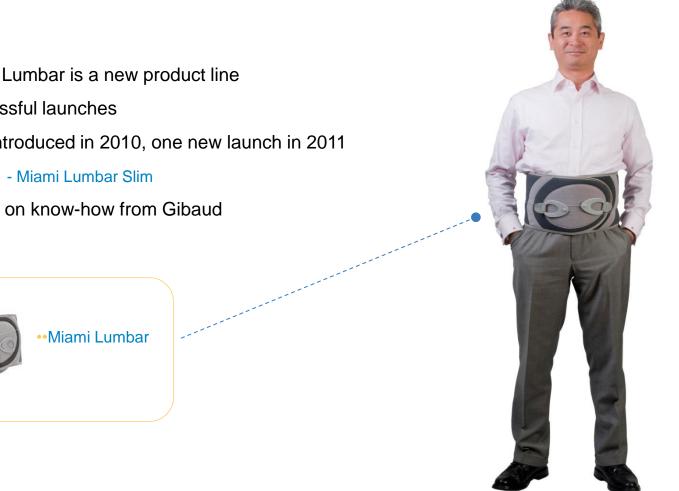
#### REBOUND





#### **MIAMI J**



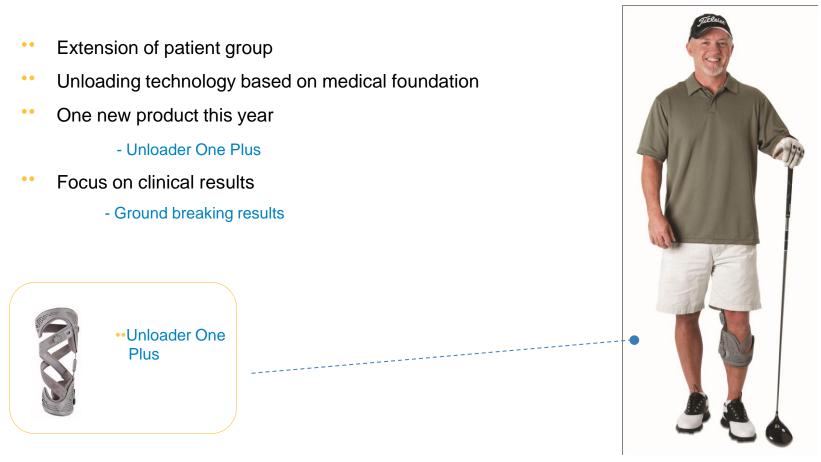


- Miami Lumbar is a new product line ••
- Successful launches ••
- First introduced in 2010, one new launch in 2011 ••
- Based on know-how from Gibaud ••



### **BRACING AND SUPPORTS – UNLOADER ONE**





#### **GOING FORWARD WE WILL....**





- Continue increasing value through innovation
- Have a steady product pipeline
- Effectively prove and communicate clinical outcome of the Company's products

Successfully commercialize our innovation and generate value for individuals and health care systems

Innovation is the profitable implementation of ideas

# MARKETING AND TEAM ÖSSUR

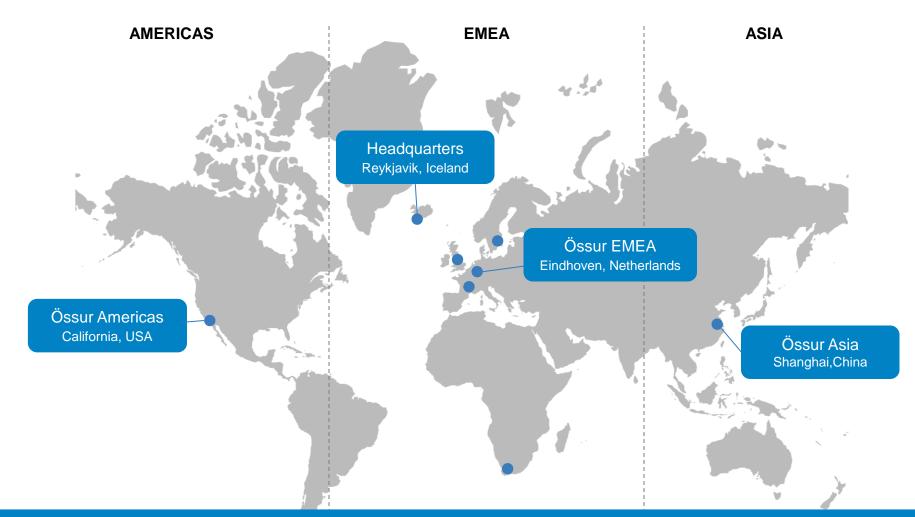
Edda H. Geirsdóttir, Director of Global Marketing



Life Without Limitations<sup>®</sup>

#### **DECENTRALIZED MARKETING ORGANIZATION**





Total Marketing Employees Worldwide = 70

#### **GLOBAL VS. LOCAL**



#### Consistency:

- Consistent brand message
- Economies of scale
- Free flow of information

#### • Quality

#### Customization:

- Market differences
- Product life cycle
- Level of brand awareness
- Cultural differences

#### FINDING THE BALANCE



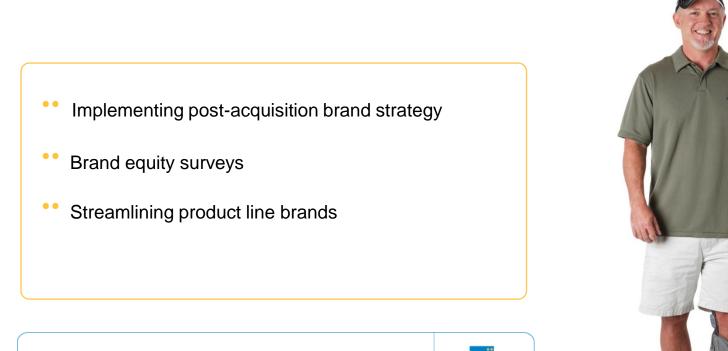
#### Alignment tools:

- Corporate Identity Manual
- Marketing Collateral Database
- Global Graphic Designers Network
- Brand Audit



#### **BUILDING A STRONG GLOBAL BRAND**



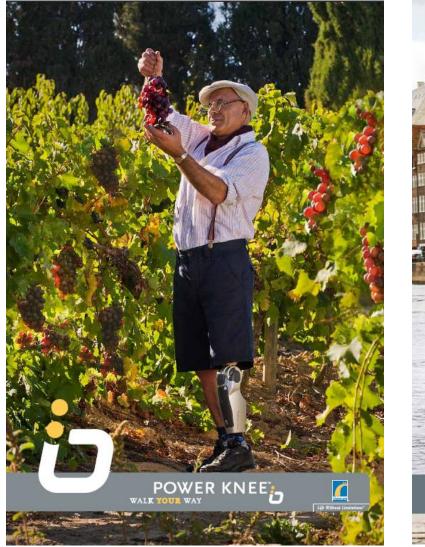


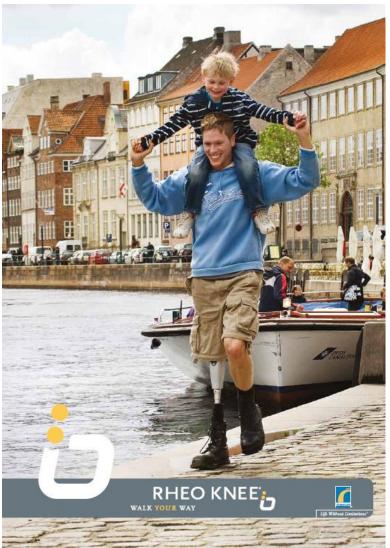




#### **REAL PEOPLE, REAL PRODUCTS**

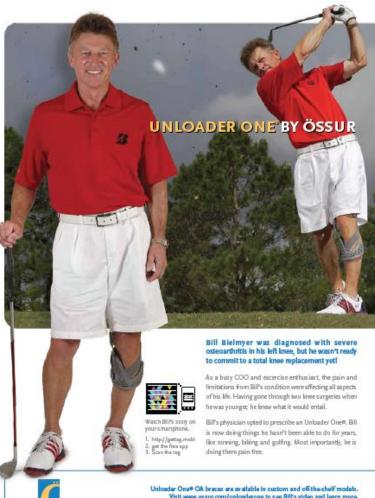




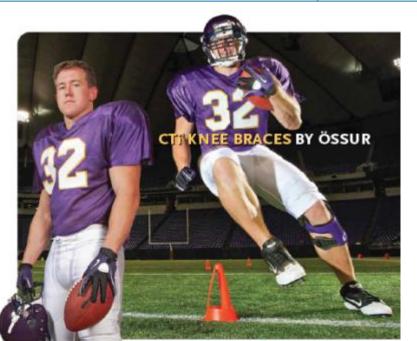


#### **REAL PEOPLE, REAL PRODUCTS**





Life Without Limitations\*



Alarch Tolly's slow or

your stramphone.

1. http://petiag.reals 2. get:the/ser.app

Stan the top

Life Without Limitations\*

#### When Toby Gerhart suffered a season-ending knee injury in his sophomore year of college, he thought his career might be over.

After receiving a CTI brace, Toby went on to consecutive record-breaking seasons and won several prestigious awards. He is now living his dream of playing professionally.

Ocsur works with sports medicine professionals to develop innovative orthogaedic products for atbletes, fram professionals to recreational participants. That's why CTi is trusted to help treat and prevent linee injuries, even for the most demanding sports.

#### CTI knee braces are an afable in custom and sF the-shelf models. Visit www.cessuccom/toby to see Toby's video and learn more.

USA 800 233 6263 CANADA 800 663 5982

Unloader One® OA braces are av allable in custom and off-the-shelf models. Visit www.essur.com/unloaderone to see Bill's video and learn more. USA 888 423 9727 CANADA 800 663 5982

@ 2010 Datasr





#### STRATEGIC MEDIA EVENT IN LONDON





#### SUCCESSFUL MEDIA OUTCOME



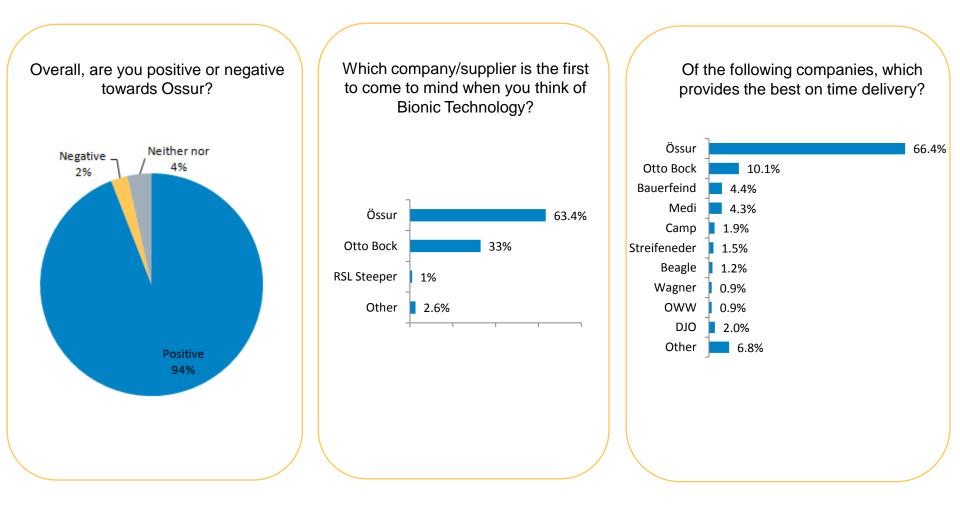


Disabled athletes gather in the British capital, which in 2012 will play host to the Paralympics, along with the Summer Games. They came together a day before International Paralympic Day, marked in Trafalgar Square with activities aimed at informing the public about the sports competition.

#### **MEASURABLE RESULTS**

### **GALLUP CUSTOMER SURVEY RESULTS**



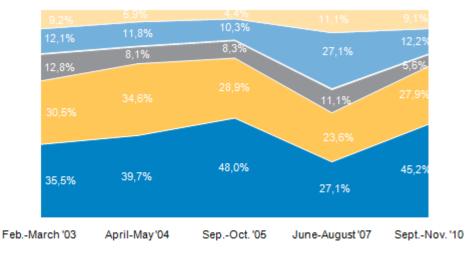


### **CONSISTENT SURVEY = TRENDS**



Have you complained or expressed criticism of products or sevice from Össur in the last 12 months? Trend Yes 23,3% No 76,7%

# How satisfied or dissatisfied are you with the handling or service that your compaint received?

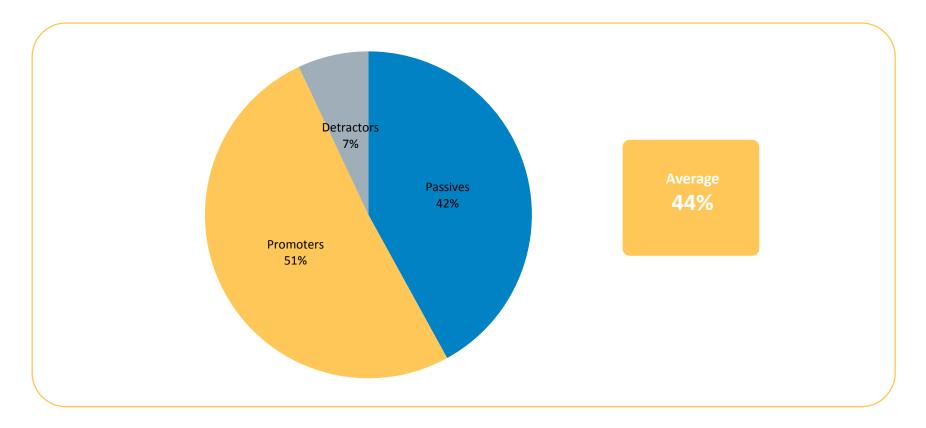


Very satisfied = Rather satisfied = Neither nor = Rather dissatisfied = Very dissatisfied

#### **NET PROMOTER SCORE**



"Based on your experience, on a scale of 0-10, how likely are you to recommend Össur?"







# WE IMPROVE PEOPLE'S MOBILITY

