



Portfolio 2023

PRODUCT PORTFOLIO

A biplane is flying in the sky above a mountain range. The mountains are covered in snow, and there are green trees in the foreground. The sky is blue with some clouds.

Mathys at a glance

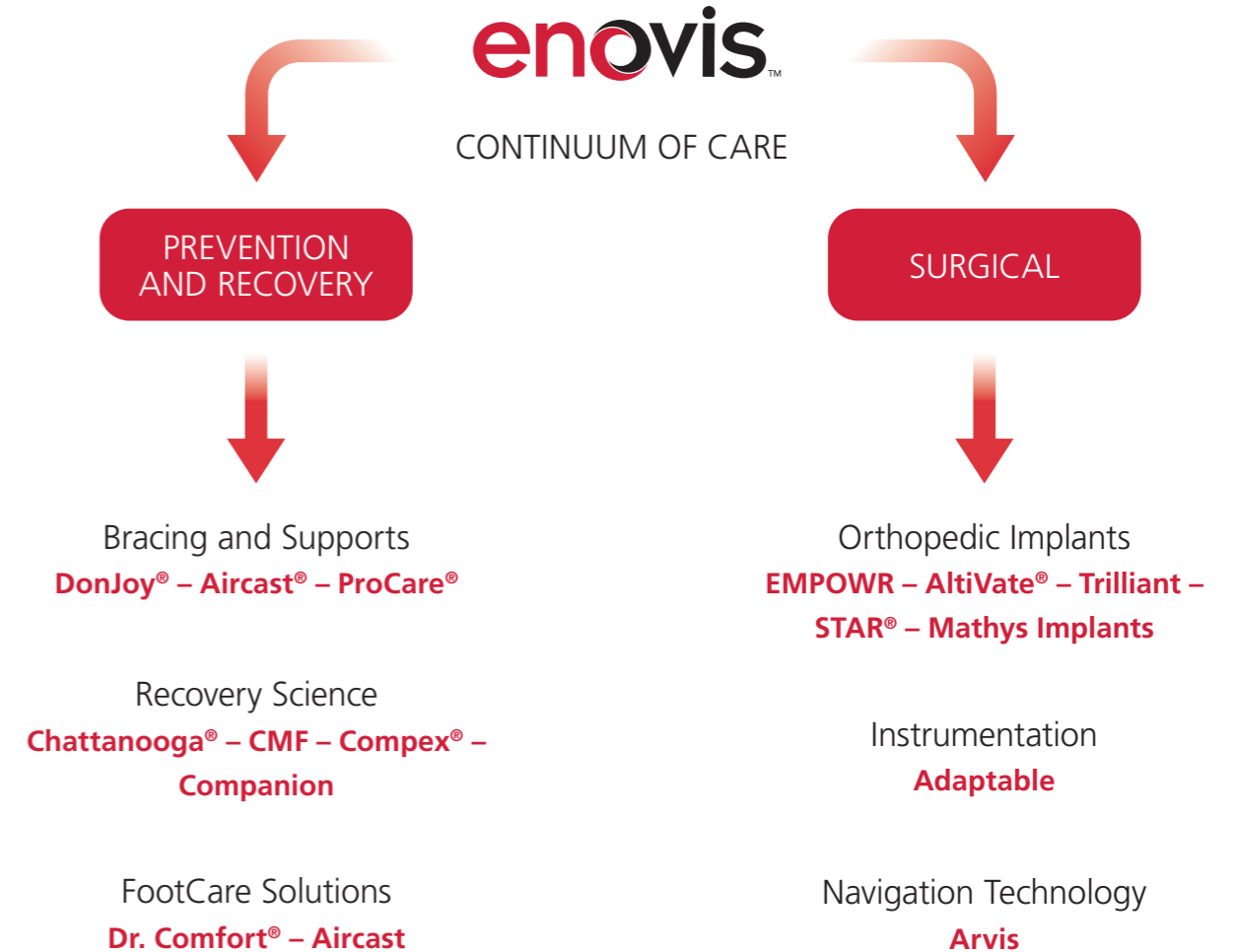
Mathys is committed to motion worldwide. Founded in 1946, the company has been active in medical technology since 1958 and focuses on the development, manufacture and distribution of joint replacement products. The company's services include implants for hip, knee, shoulder and sports orthopaedics. Mathys's headquarters are in Bettlach, Switzerland, with development and production sites in Switzerland and Germany, and subsidiaries in 10 countries. Mathys has been part of the US-based company Enovis™ since 2021, and within the Enovis corporation it is responsible for the distribution of orthopaedic products outside the USA. As a growing medical-technology company, Mathys and Enovis are focused on developing clinically differentiated solutions that generate better patient outcomes and transform workflows.

Enovis Continuum of Care

Enovis™ is the only company with products across the full spectrum of care, from pain management and improved stability to surgery and rehabilitation. Taken together, the Enovis product range delivers an unparalleled continuum of care.

Our strategy is supported by an internal organization of product-based business units. This allows us to respond quickly to market demands, with the focus on developing a portfolio of cutting-edge products and services.

Our Prevention and Recovery division encompasses non-invasive products and solutions, with a dedicated business unit focused on Bracing and Supports, Recovery Science (medical technology and capital equipment for rehabilitation), and FootCare Solutions (medical shoes and hosiery). Moreover, we have the Surgical division focusing on manufacturing and distributing orthopedic implants and complementary associated technologies.





SURGICAL EQUIPMENT

Adaptable® – Hip / Knee / Shoulder





HIP SEGMENT

RM Pressfit vitamys, ceramic head & optimys



Hip primary

Monobloc



RM Pressfit vitamys



RM Pressfit



RM Classic cup

Modular



aneXys Flex/aneXys Uno



aneXys Cluster/aneXys Multi



aneXys ceramys inlay
aneXys vitamys inlay



seleXys PC



seleXys ceramys inlay



seleXys PE inlay

Hip primary

Dual mobility



DS Evolution uncemented



DS Evolution cemented



DS Evolution Revision



DS Evolution PE inlay

Bipolar/hemi



Bipolar



Hemi

Heads



ceramys



symarec



Stainless steel



CoCrMo

Hip primary

Uncemented



optimys



stellaris



CBC



CBC Evolution



CBH



twinSys

Cemented



CCA



twinSys

Hip revision

Femoral



twinSys Long



MRP Titan Stem



ceramys Revision

Acetabular



RM Classic Revision cup



CCB



CCE



KNEE SEGMENT

balanSys BICONDYLAR & EMPOWR Knee System



Partial knee

Total knee

balanSys UNI



EMPOWR 3D/PS Knee



EMPOWR 3D KNEE

EMPOWR PS KNEE

Total knee

balanSys BICONDYLAR

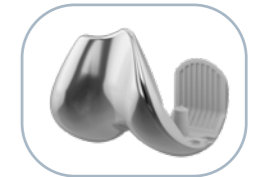
Total knee Femur *



Femur cem. *



Femur uncem.



PS Inlay



CR Inlay



UC Inlay



RP Inlay



PE/vitamys

PE/vitamys

PE/vitamys

PE/vitamys



Fixed Tibia *



RP Tibia

* available in TiNbN



Patella



3 Peg



3 Peg FLAT



REVISION **knee**

balanSys REV





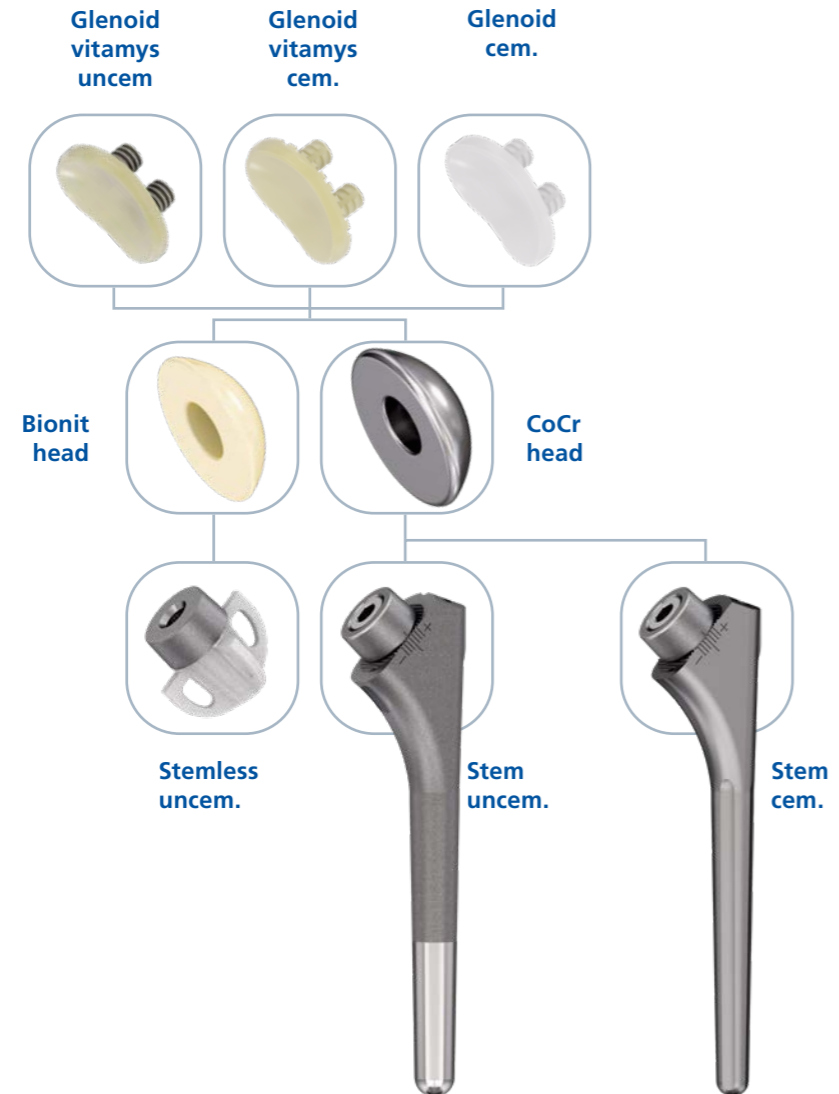
SHOULDER SEGMENT

Affins Short, Affinis Inverse & AltiVate Reverse



Anatomic **shoulder**

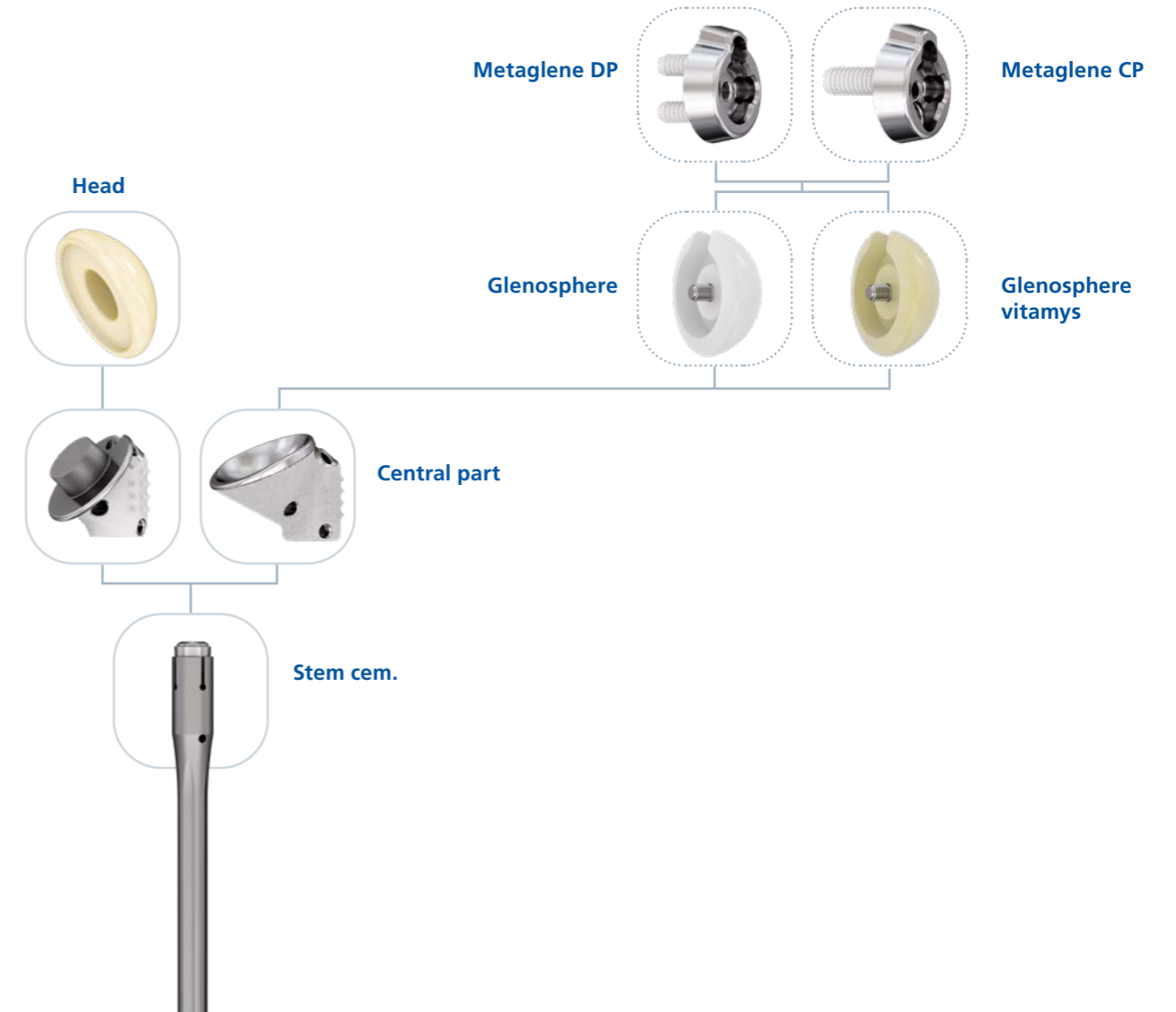
Affinis Short/Affinis Total



Shoulder Fracture / Fracture Reverse

Affinis Fracture/Fracture Inverse

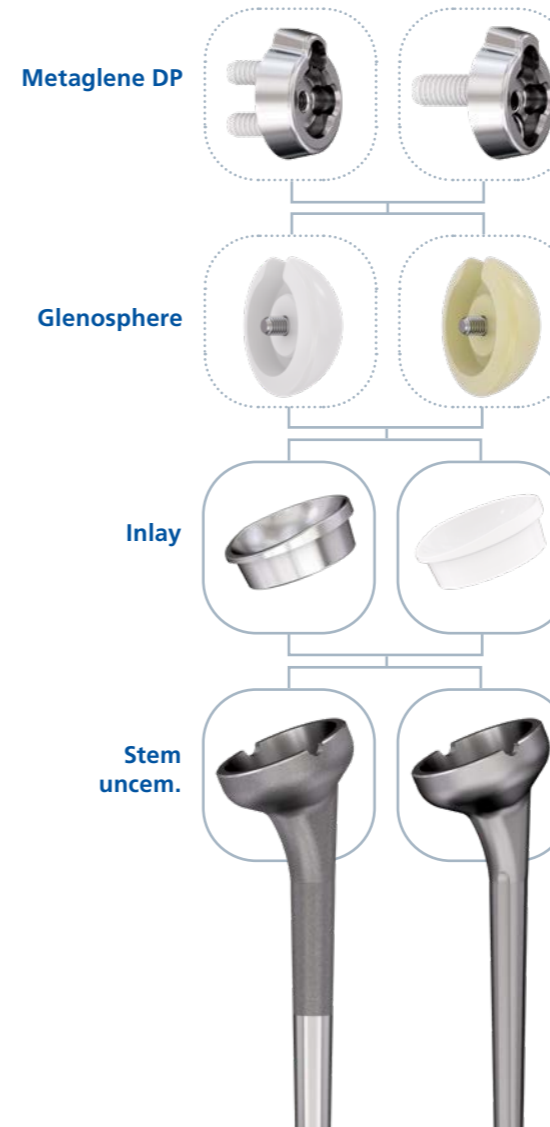
Affinis Inverse





Reverse shoulder

Affinis Inverse



AltiVate® Reverse





SPORTHOPAEDICS

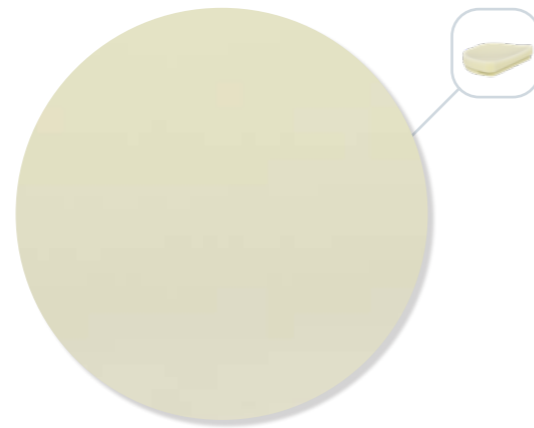
Ligamys



PROGRESSIVE MATERIALS

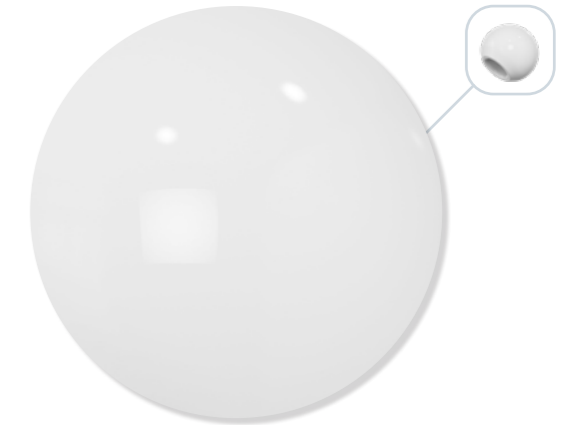
vitamys

Mathys was the first manufacturer of orthopaedic prostheses to launch a highly cross-linked polyethylene enriched with vitamin E (VEPE) – a so-called «blended antioxidant highly cross-linked polyethylene (AOHXLPE)» –, trademarked as vitamys. The vitamin-E-enriched, highly crosslinked vitamys is designed to deliver maximum resilience and a long service life.^{2, 3} Properties such as high resistance to oxidation, ageing and wear, as well as excellent mechanical properties distinguish this proven material and allow long-term survival of the endoprosthesis.^{2, 3, 4}



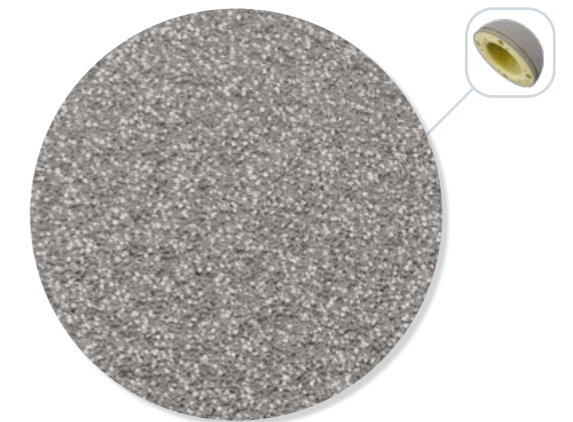
Ceramics

Since the early 1970s, Mathys has been active in the research, development and manufacture of bioceramics, because we are convinced of their advantages: low wear rates, high strength and toughness, good wettability and biologically inert behaviour.^{1, 5, 6, 7} This makes ceramics a treatment solution not only for young and active patients.



RM titanium coating

Mathys' proprietary titanium coating «RM» (Robert Mathys) enables osseointegration of the implant and permits cementless anchorage. The titanium particles are anchored individually in the polyethylene and not structurally connected to each other. Thus, the elasticity of the implant is not changed by the coating.



Building on our heritage

Moving technology forward

Step by step with our clinical partners

Towards a goal of preserving mobility

Preservation in motion



References

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- ² Delfosse D, Lerf R, Adlhart C. What happens to the vitamin E in a vitamin-stabilised HXLPE? Karl Knahr (Ed.), Tribology in Total Hip and Knee Arthroplasty. Book Chapter, 2014.
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- ⁴ Bowden AE, Bergström J. Computer Modeling and Simulation of UHMWPE. Kurtz SM (Ed.), UHMWPE Biomaterials Handbook (3rd Edition), 2016.
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- ⁷ Alexander JJ, Bell SN, Coghlan J, Lerf R, Dallmann F. The effect of vitamin E-enhanced cross-linked polyethylene on wear in shoulder arthroplasty-a wear simulator study. J Shoulder Elbow Surg. 2019 Sep;28(9):1771-1778.



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