



NEW

ORTHOPAEDIC
JOINT REPLACEMENT

TRUST IN YOUR AMBITION.
AESCULAP® OrthoPilot® *Elite*

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YOUR AMBITION: EXCELLENT RESULTS.



TRUST IN YOUR AMBITION.



OrthoPilot[®] *Elite* is based on **INNOVATIVE TECHNOLOGY** and **20 YEARS OF EXPERIENCE**. That combination takes standards of surgical **PRECISION TO A NEW LEVEL**.

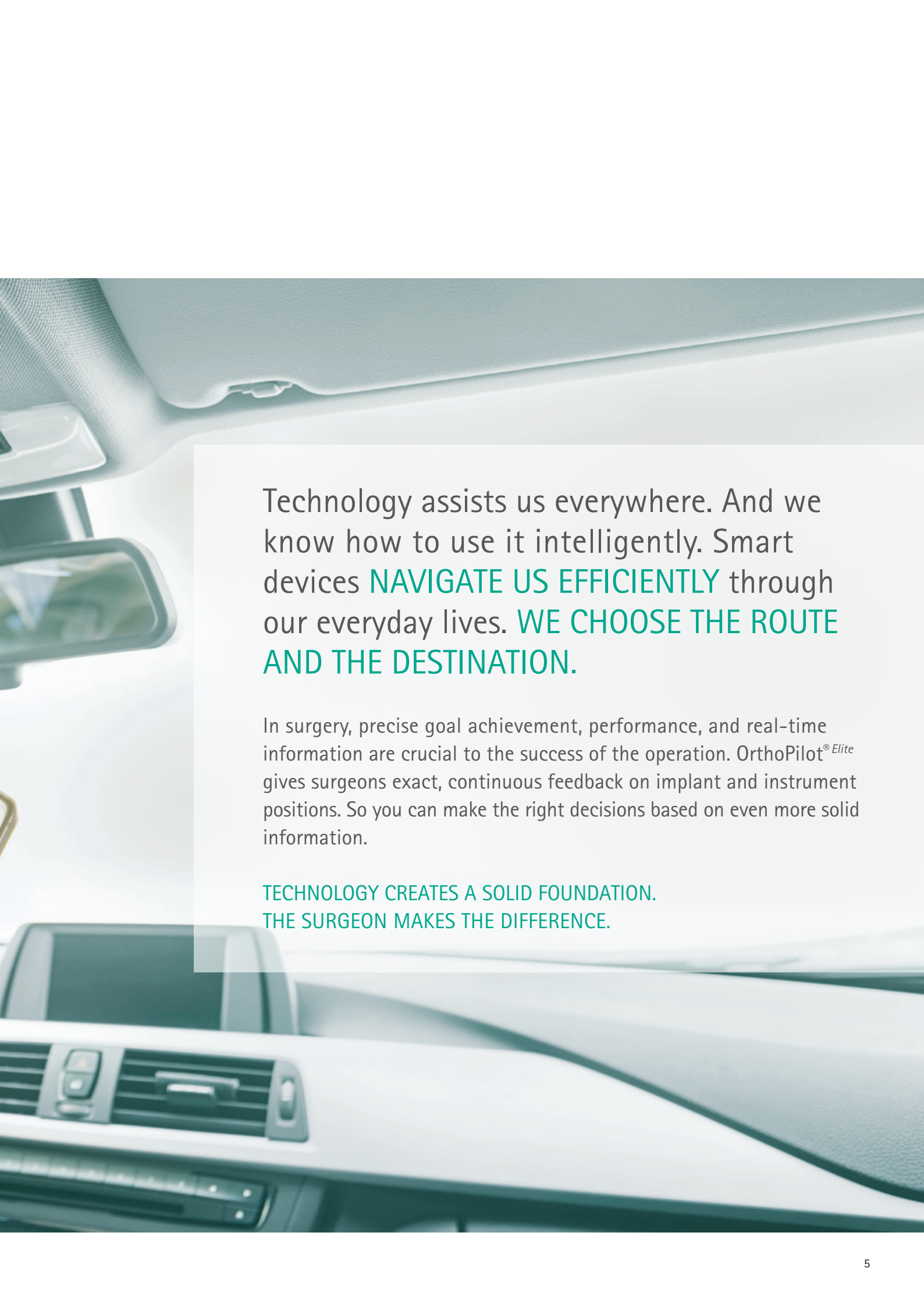
Many healthcare professionals are motivated by the desire to help people live better, more pain-free lives. In orthopaedics, precision sets the standard for quality of life: a few millimeters or a few degrees often determine the long-term success of a procedure.

THAT EXCELLENCE IS OUR AMBITION.

AESCULAP® OrthoPilot® *Elite*
FULL CONTROL. IN REAL TIME.



TRUST IN YOUR AMBITION.



Technology assists us everywhere. And we know how to use it intelligently. Smart devices **NAVIGATE US EFFICIENTLY** through our everyday lives. **WE CHOOSE THE ROUTE AND THE DESTINATION.**

In surgery, precise goal achievement, performance, and real-time information are crucial to the success of the operation. OrthoPilot^{®Elite} gives surgeons exact, continuous feedback on implant and instrument positions. So you can make the right decisions based on even more solid information.

**TECHNOLOGY CREATES A SOLID FOUNDATION.
THE SURGEON MAKES THE DIFFERENCE.**

AESCULAP® OrthoPilot® *Elite*

A NEW SURGICAL EXPERIENCE.

A photograph of two surgeons in an operating room. They are wearing teal scrubs, masks, and hairnets. The surgeon on the left is holding a complex surgical instrument, the OrthoPilot Elite, which has a white handle with the AESCULAP logo and a metallic arm with several red spherical markers. The surgeon on the right is looking at the instrument. The background is a bright, clinical setting.

OrthoPilot® *Elite* is part of an **INTEGRATED SYSTEM**.
The **SURGEON IS THE HEART OF THAT SYSTEM**.

OrthoPilot® *Elite* puts surgeons in the control center of an integrated, perfectly coordinated endoprosthesis system. Hardware, software, implants, instruments – they're all based on the same high standards of quality, but now they feature never-before-seen opportunities for interaction as well. The result: exceptionally effective synergy between team and technology.

OrthoPilot® *Elite* – YOUR PARTNER IN THE OPERATING ROOM.

TRUST IN YOUR AMBITION.



EASE-OF-USE TAKEN TO NEW LEVELS

As the core component in a flexible system, OrthoPilot[®] Elite integrates excellently into surgical procedures and stands for efficient processes. With TKA 6.0 software and a one-of-a-kind multi-functional instrument, OrthoPilot[®] Elite represents a balanced, innovative man-machine interface. Its intuitive controls give OrthoPilot[®] Elite users the freedom to concentrate on what's most important: the surgical process.

AESCULAP® OrthoPilot® *Elite*

USE LEADING TECHNOLOGIES.

SURGERY IS A CALLING.

OrthoPilot® *Elite* gives surgeons
MORE FREEDOM.

OrthoPilot® *Elite* combines surgical precision with effective documentation, yielding significant profits that translate to improved treatment quality (1, 2). Without taking up valuable surgical-team resources, it makes operations trackable and results reproducible – automatic, thorough documentation creates a template for excellent results.

**REPRODUCIBLE, EXCEPTIONAL RESULTS –
EVERY DAY.**

TRUST IN YOUR AMBITION.



CREATE MORE TRANSPARENCY. EASILY.

Designed to make life easier: Documentation takes up a lot of healthcare professionals' time. OrthoPilot® Elite frees surgical teams from these responsibilities, because it doesn't just display important information – it also documents it.



Surgical results are displayed and documented in a clearly organized, informative final screen, including the resections performed, the implant sizes used, the pre- and post-operative leg axes, and the duration of the procedure. It also creates surgical reports for patients and provides data for comprehensive analyses.

(1) Jenny JY, Clemens U, Kohler S, Kiefer H, Konermann W, Mielke RK. Consistency of implantation of a total knee arthroplasty with a non-image-based navigation system: a case-control study of 235 cases compared with 235 conventionally implanted prostheses. *J Arthroplasty*. 2005 Oct;20(7):832-9.

MULTIFUNCTIONAL INSTRUMENT. ERGONOMICS MEET EFFICIENCY.

New concept. New comfort. The innovative multifunctional instrument was developed to help speed up processes and significantly improve ergonomic features.



The innovative new multifunctional instrument combines several individual instruments into one, and was developed specifically for assisted navigation with the OrthoPilot® Elite and TKA 6.0 software. It combines simple, intuitive handling with cutting-edge technology, allowing surgeons to operate precisely and ergonomically.

(2) Haaker RG, Stockheim M, Kamp M, Proff G, Breitenfelder J, Ottersbach A. Computer-assisted navigation increases precision of component placement in total knee arthroplasty. *Clin Orthop Relat Res*. 2005 Apr; (433):152-9.

AESCULAP® OrthoPilot® *Elite*

QUALITY OF CARE REDEFINED.

What is **PROGRESS**?
If you ask us, it means **MAKING LIFE BETTER** and redefining standards.

Learning new things, moving forward and thinking ahead, growing along with an ever-growing number of technological options in order to achieve better and better results – for patients. Is that your ambition, too? OrthoPilot® *Elite* will open up new opportunities for you to realize your full potential through state-of-the-art technology, so that you can operate even more precisely and thus make your results reproducible.

THIS AMBITION IS WHAT HELPS MEDICINE PROGRESS.

TRUST IN YOUR AMBITION.



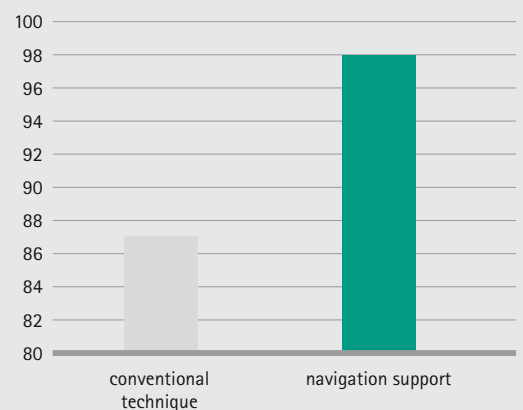
OPERATE WITH CARE. EXPERIENCE PROGRESS.

OrthoPilot®*Elite* was developed with the goal of helping surgeons perform the most conservative, successful procedures possible.

The system uses monocortical transmitter anchorage into the femur and tibia to allow less invasive techniques. It also does not require stressful CT or MRI scans.

The effectiveness of the OrthoPilot® has been demonstrated through more than 300 international studies.

10-year results for conventional vs. navigated TKA in terms of survival rate



As an example, the following study shows that OrthoPilot®-navigated knee endoprostheses offer clinically significant benefits over conventionally implanted knee endoprostheses. After ten years, survival rates are 11 percentage points higher, which has to do with aseptic loosening.

Source: Baumbach JA, Willburger R, Haaker R, Dittrich M, Kohler S. 10-Year Survival of Navigated Versus Conventional TKAs: A Retrospective Study. *Orthopedics*. 2016 May;39(3): 72-6.

AESCULAP[®] – a B. Braun brand

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