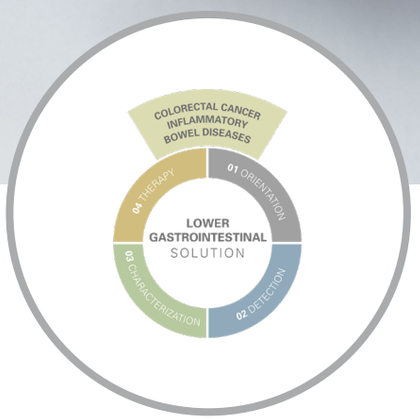
PENTAX MEDICAL

G-EYE® PILOT

Experience advanced endoscopy

G-EYE® Pilot



Clinical Solution

Triple Aim

smart medical systems

Experience advanced endoscopy.
Explore the G-EYE® PILOT.

PENTAX MEDICAL

G-EYE® PILOT is the complete colonoscopy solution, combining the true 3D navigation of SCOPEPILOT with the unique detection and therapeutic capabilities of G-EYE® in one scope.

Find out more about the endoscopes

Experience advanced endoscopy.
Explore the G-EYE® PILOT.

PENTAX MEDICAL

The ultimate tool in detection and therapy

Advanced orientation combined with enhanced visualization of the mucosa and true therapeutic capabilities lead to optimal patient comfort and improved detection. Therapeutic procedures are supported with the stabilized and centered endoscope.

Click for more information

Increase detection and intubation rate

Achieve a 28% increase in the adenoma detection rate[1], due to the enhanced visualization of the mucosa. The real-time 3D representation of the endoscope accelerates the insertion by up to 30%[5].

Click for more information

A wise investment

It has been proven that increased detection rates lead to shorter patient surveillance intervals[1] and reduce the risk of I-CRC[2,3] verifiable. Additionally, the combination of G-EYE® PILOT with the disposable NaviAid™ AB allows deep small intestine two-balloon endoscopy.

Click for more information

References:
1) Shirin H, Shpak B, Epshtein J, et al. G-EYE colonoscopy is superior to standard colonoscopy for increasing adenoma detection rate: an international randomized controlled trial. Gastrointest Endosc. 2018;
2) Corley DA, Jensen CD, Marks AR, et al. Adenoma detection rate and risk of colorectal cancer and death. N Engl J Med. 2014;370(14):1298-306.
3) Kaminski MF, Regula J, Kraszewska E, et al. Quality indicators for colonoscopy and the risk of interval cancer. N Engl J Med. 2010;362(19):1795-803.
5) Shah SG, Brooker JC, Williams CB, Thapar C, Saunders BP. Effect of magnetic endoscope imaging on colonoscopy performance: a randomised controlled trial. Lancet.2000;356(9243):1718-22. https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(00)03205-0/fulltext

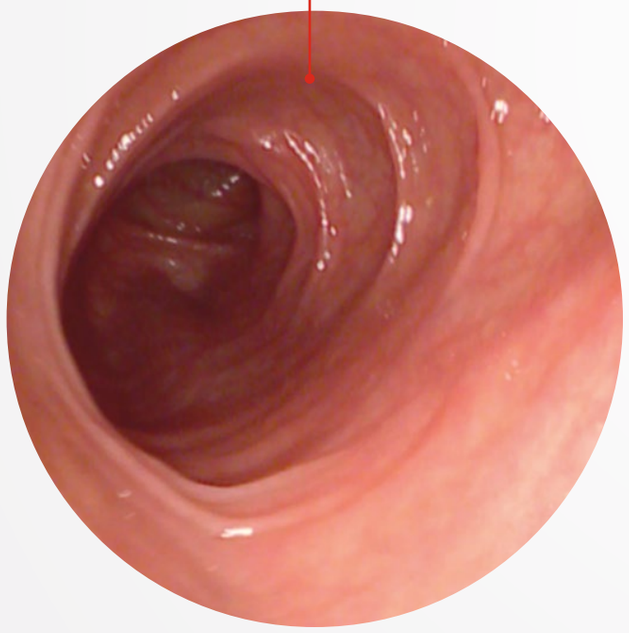
G-EYE® PILOT
The ultimate tool in detection and therapy.

PENTAX MEDICAL

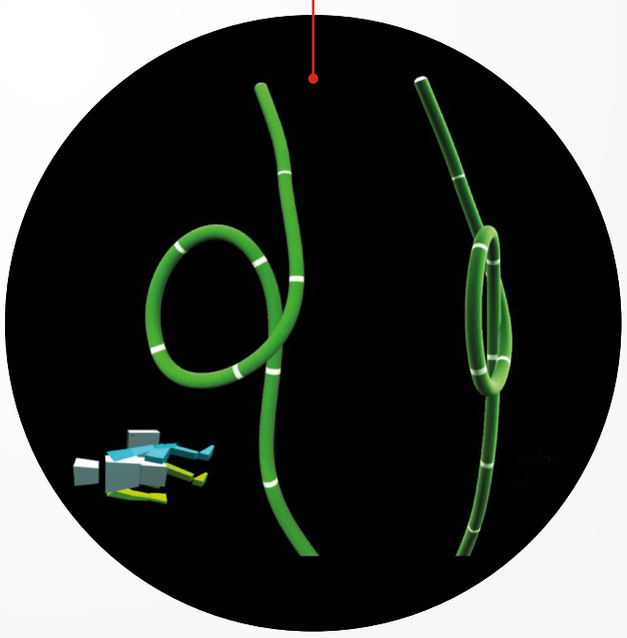
G-EYE® PILOT is the complete and comprehensive colonoscopy solution.

A 3D representation of the endoscope alongside proven therapeutic capabilities is achieved thanks to the combination of SCOPEPILOT with G-EYE®. It is an exceptional tool that provides enhanced mucosa visualization, improved detection, and optimal patient comfort.

Enhanced visualization of the mucosa for improved detection



True 3D imaging technology



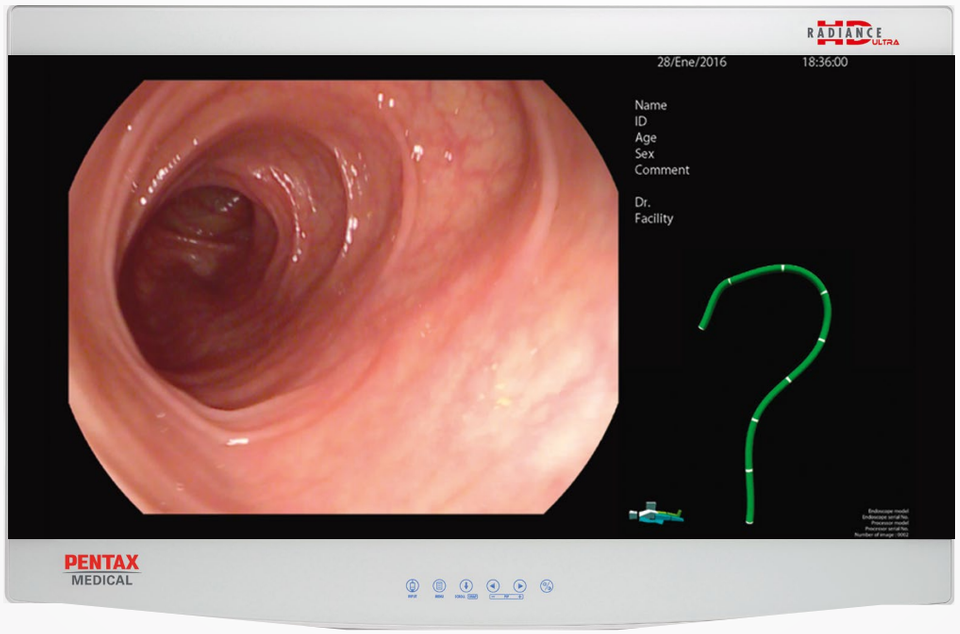
G-EYE® PILOT
The ultimate tool in detection and therapy.

The G-EYE® PILOT supports therapeutic procedures through various features.

A stabilized and centered endoscope supports therapeutic procedures

Real-time representation of the scope shape and position

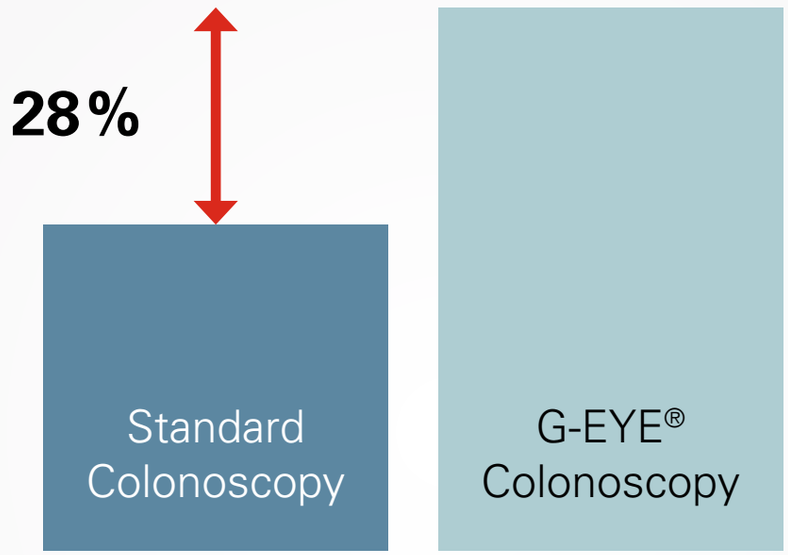
The flexible insertion tube provides easier access for greater visualization



Allows dynamic tracking and handling control

G-EYE® PILOT

Increase detection and intubation rate.



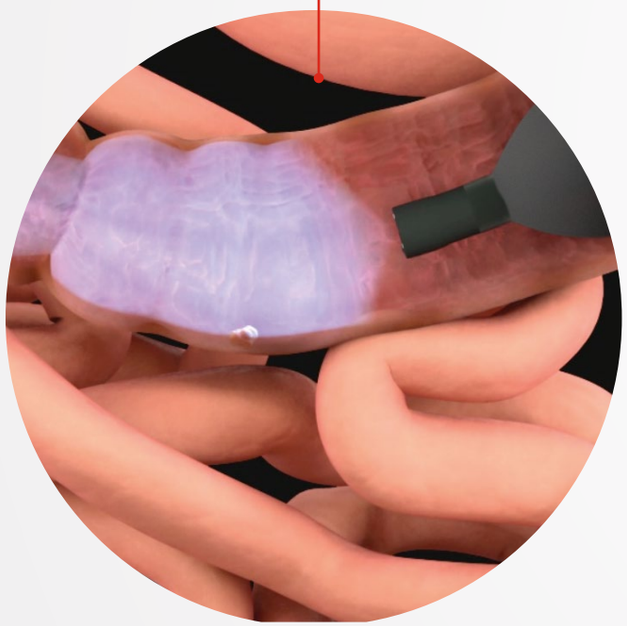
The G-EYE® PILOT is proven to offer a **28%** increase[1] in the adenoma detection rate[4] compared to standard scopes.

References:
1) Shirin H, Shpak B, Epshtein J, et al. G-EYE colonoscopy is superior to standard colonoscopy for increasing adenoma detection rate: an international randomized controlled trial. Gastrointest Endosc. 2018;
4) Chen Y, Duan YT, Xie Q, et al. Magnetic endoscopic imaging vs standard colonoscopy: meta-analysis of randomized controlled trials. World J Gastroenterol. 2013;19(41):7197-204.

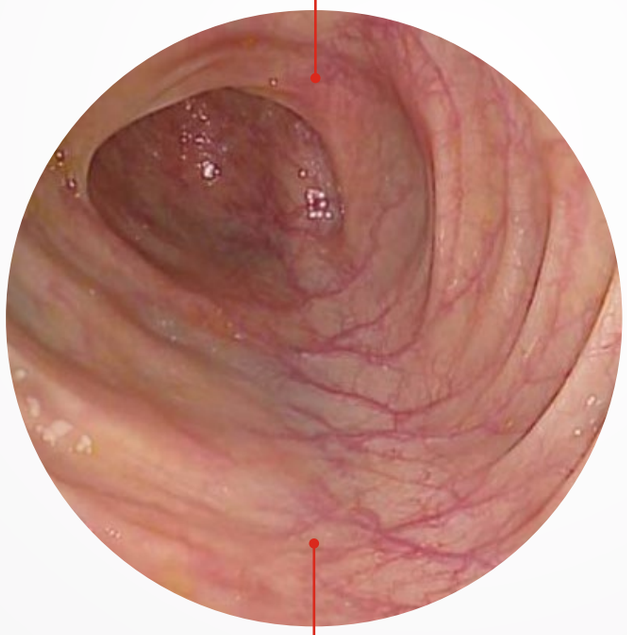
G-EYE® PILOT
Increase detection and intubation rate.

By employing the Unique Controlled Withdrawal™ technique with the balloon when partially inflated, the G-EYE® PILOT straightens and stretches the colonic folds.

Unique Controlled Withdrawal™ technique



Support in locating flat lesions and polyps hiding behind, between, or on the colonic folds.



Offers increased adenoma detection rate

Easily maintained endoscope positioning

Fast and controlled intervention

References:
1) Shirin H, Shpak B, Epshtein J, et al. G-EYE colonoscopy is superior to standard colonoscopy for increasing adenoma detection rate: an international randomized controlled trial. Gastrointest Endosc. 2018;
4) Chen Y, Duan YT, Xie Q, et al. Magnetic endoscopic imaging vs standard colonoscopy: meta-analysis of randomized controlled trials. World J Gastroenterol. 2013;19(41):7197-204.

G-EYE® PILOT
A wise investment.

It has been that increased detection rates lead to shorter patient surveillance intervals[1] and reduce the risk of I-CRC[2,3] verifiable. The real-time 3D representation of an endoscope fastens the insertion by up to 30%[5]. The combination of G-EYE® PILOT with the disposable NaviAid™ AB allows deep small intestine two-balloon endoscopy.

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G-EYE® PILOT
Optimized efficiency. Superior clinical outcome.

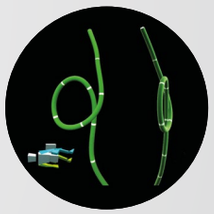
The 3D image is generated by integrated multidimensional sensors that are induced by a magnetic field generated and transmitted to the control unit, allowing it to be processed and displayed in real-time during the procedure.

This offers pinpoint navigation and differentiation of the IFT segments for an efficient, safe and comfortable procedure. The accurate scope tracking enables immediate loop management and increases patient compliance and level of satisfaction as well as caecum intubation rate accordingly.

Image rotation on horizontal (x8) and vertical (x10) axes for improved differentiation of the insertion tube.

Field generator unit

Split screen for simultaneous view of anterior and superior positions.

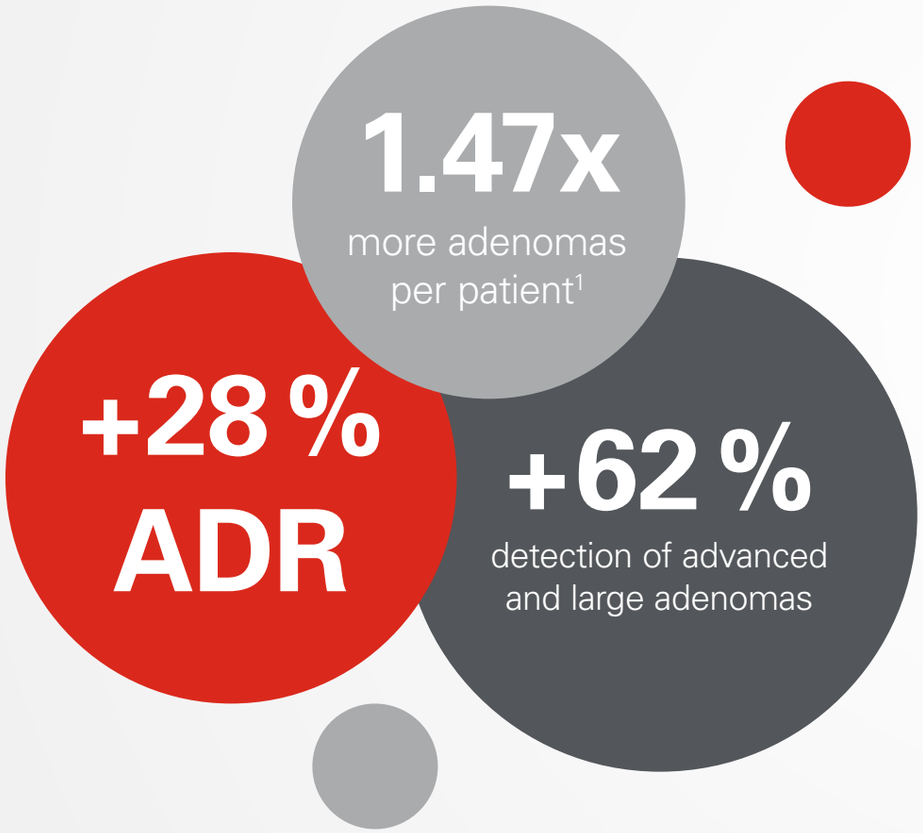


References:
5) Shah SG, Brooker JC, Williams CB, Thapar C, Saunders BP. Effect of magnetic endoscope imaging on colonoscopy performance: a randomised controlled trial. Lancet. 2000;356(9243):1718-22. https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(00)03205-0/fulltext

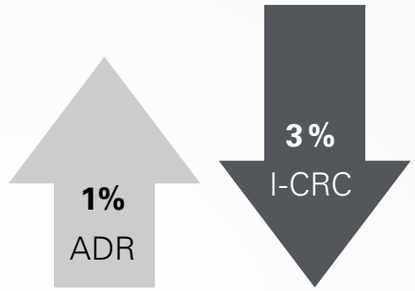
G-EYE® study explanation

The **G-EYE®** colonoscopy is superior to standard colonoscopy for increasing adenoma detection rate: an international randomized controlled trial

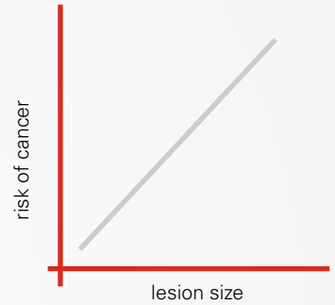
Increased detection capabilities lead to improved clinical outcome and superior quality in colonoscopy.



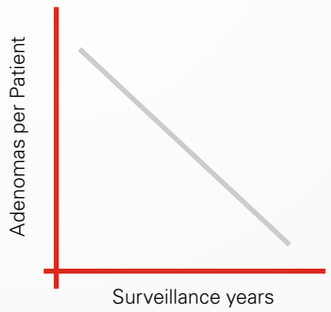
Each of this numbers has a huge influence on the clinical pathway:



ADR is inversely related to the risk of interval colorectal cancer (I-CRC).[2]



Larger lesions are considered to be at higher risk for submucosal invasion and lymph node involvement.[6]



The more adenomas are found the shorter the surveillance interval.[7]

References:
[1]Shirin H, Shpak B, Epshtein J, et al. G-EYE colonoscopy is superior to standard colonoscopy for increasing adenoma detection rate: an international randomized controlled trial. Gastrointest Endosc. 2018; [2]Corley DA, Jensen CD, Marks AR, et al. Adenoma detection rate and risk of colorectal cancer and death. N Engl J Med. 2014;370(14):1298-306. [6]Dos Santos CEO, Pereira-Lima JC, de Quadros Onofrio F. Large colorectal lesions: evaluation and management. GE Port J Gastroenterol 2016;23:197-207. [7]Atkin WS, Valori R, Kuipers EJ, et al. European guidelines for quality assurance in colorectal cancer screening and diagnosis. First edition: colonoscopic surveillance following adenoma removal. Endoscopy 2012;44(suppl 3):SE151-63.

G-EYE® PILOT
The SPARK²C inflation system.

The innovative SPARK²C inflation system provides safe inflation at all times.

Anchoring pressure
for stabilization

Unique Controlled
Withdrawal™ pressure
technique

Leak Tester

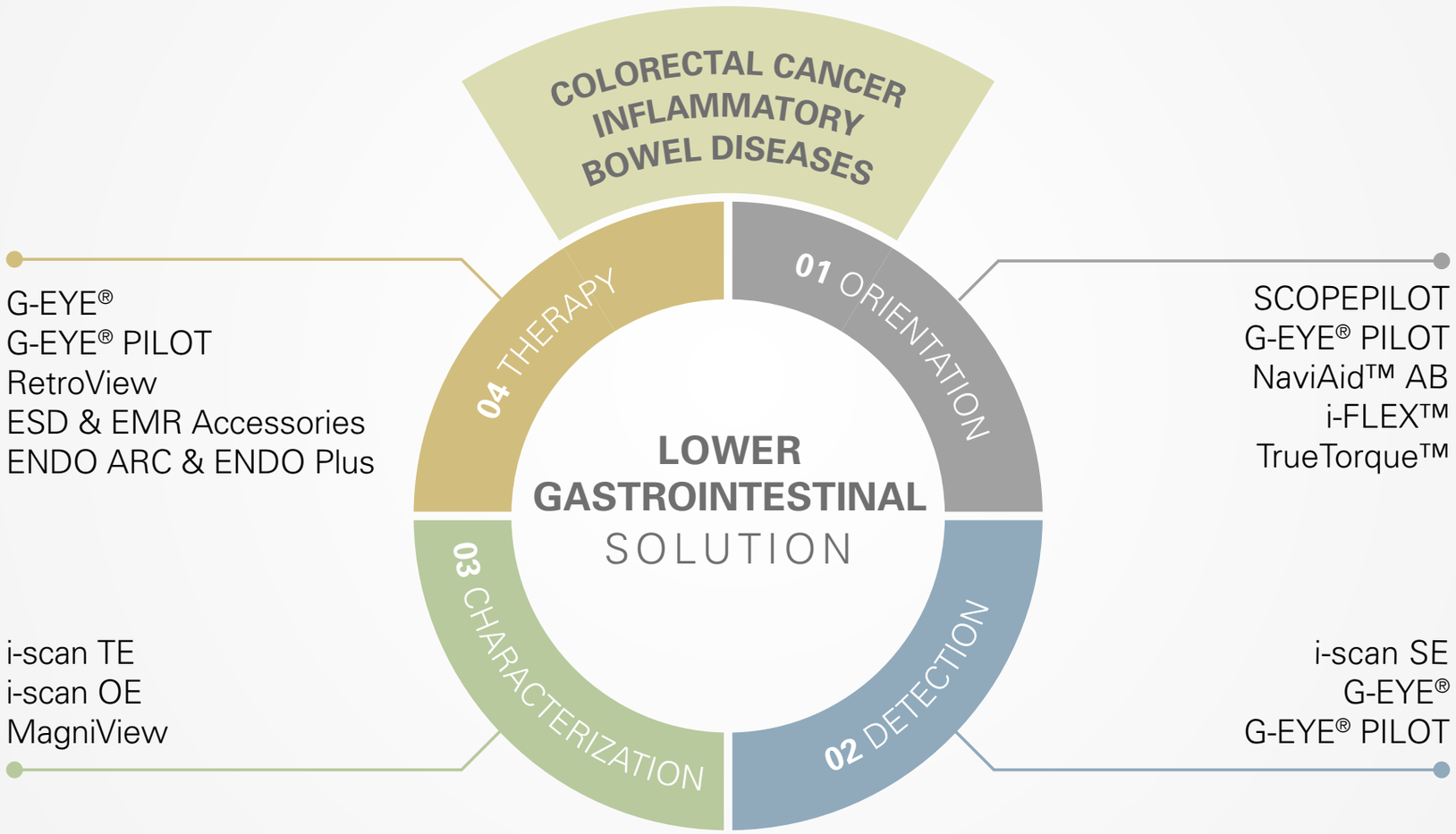
SPARK²C

Constant monitoring and
leak testing before and during
the entire procedure

Easy operation

Lower gastrointestinal solution.

The G-EYE® PILOT line-up strengthens PENTAX Medical's lower GI solution along the entire clinical pathway.



Click for more information on i-scan

Find out more about our complete solutions offering

Overview details.

G-EYE® PILOT Endoscope specifications	G-EYE38-i10NL	G-EYE38-i10NF
Direction of view	Forward (0°)	
Field of view [°]	140	
Depth of field [mm]	2–100	
Tip angulation up/down [°]	180/180	
Tip angulation right/left [°]	160/160	
Distal end width [mm]	13.2	
Insertion tube width [mm]	13.2	
Maximum insertion portion width*1	14.3	
Minimum instrument channel width*2	3.8	
Laser treatment	Available	
Electrosurgery treatment	Available	
Water jet feeding function	Available	
G-EYE® Endoscope shape detection function	Available	
Insertion portion working length*1 [mm]	1,700	1,500
Total length [mm]	2,016	1,816

*1There is no guarantee that equipment selected solely using the maximum insertion portion width and insertion portion working length will be compatible when used in combination.

*2There is no guarantee that equipment selected solely using this minimum instrument channel width will be compatible when used in combination

PENTAX Medical's Triple Aim

Our **Triple Aim** program is designed to deliver on our commitment to supporting you and your healthcare organisation's wider objectives providing programs, products and solutions to help you to improve against your goals.

FIND OUT HOW
G-EYE® PILOT
SUPPORTS
TRIPLE AIM

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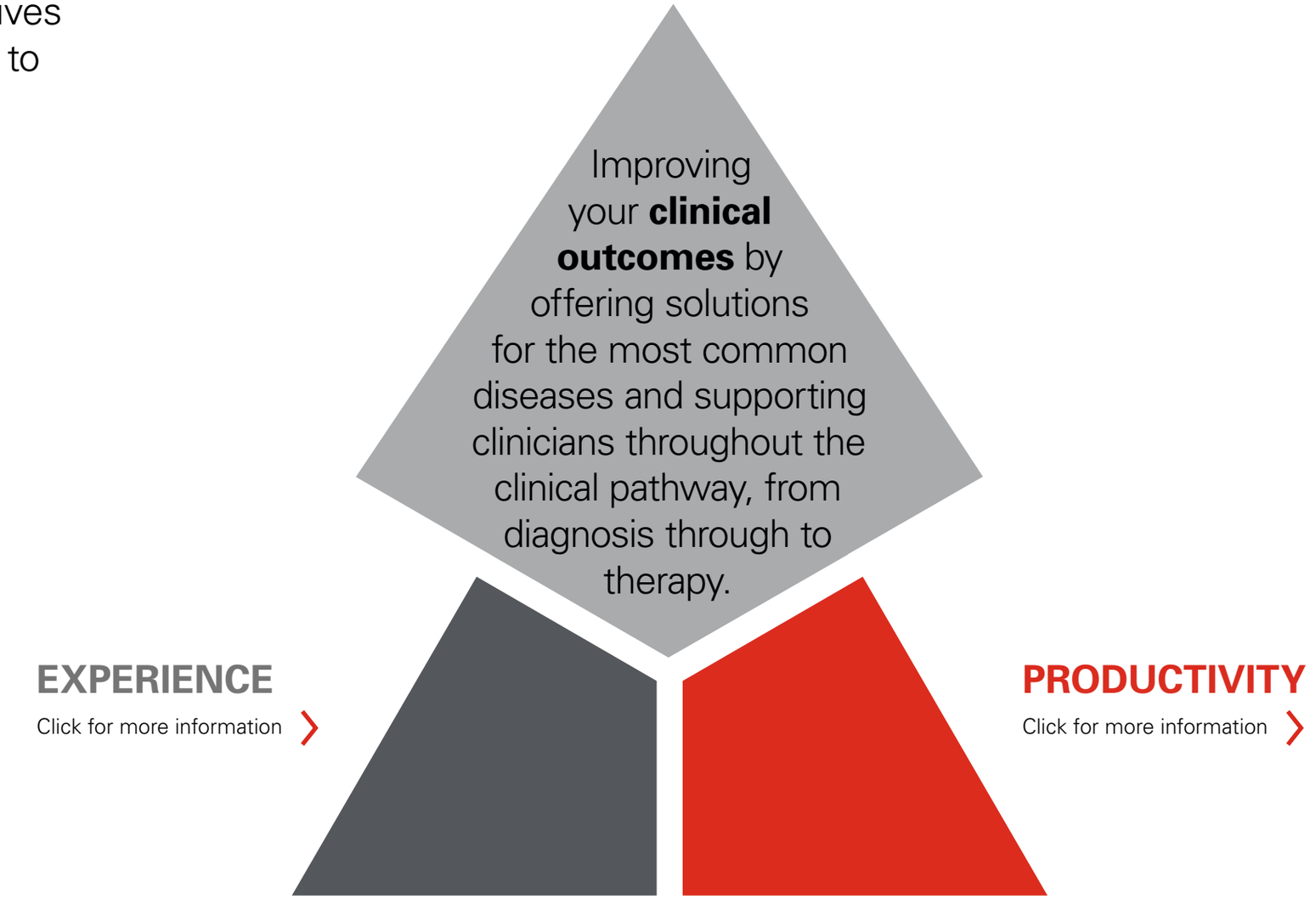

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OUTCOME

Click for more information

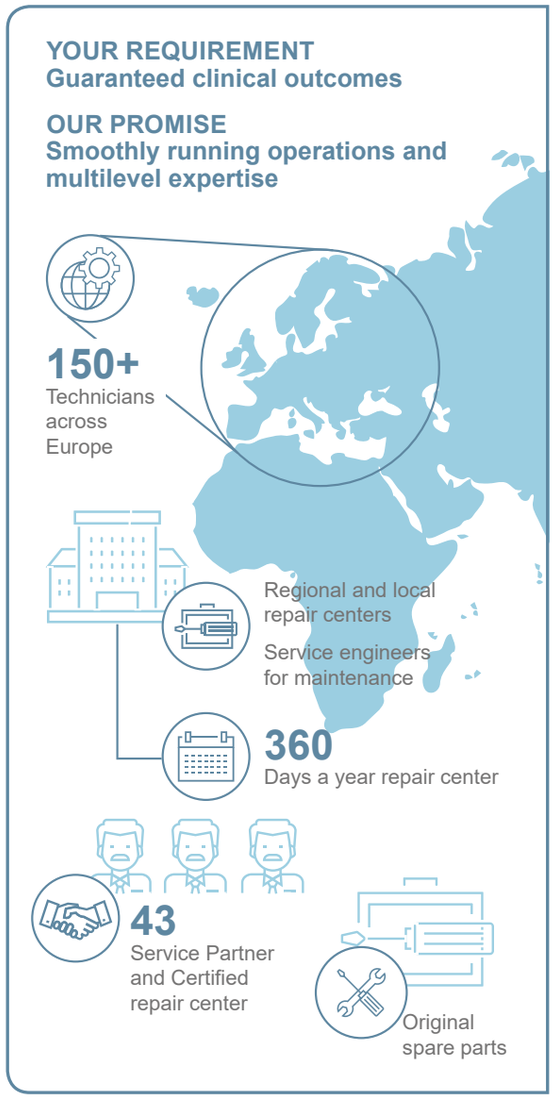
EXPERIENCE

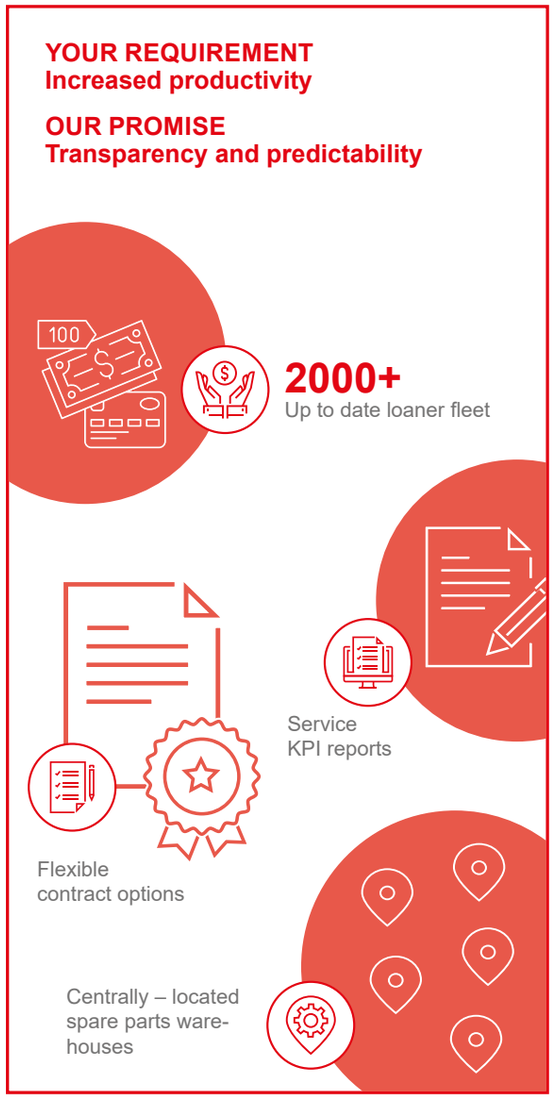
Click for more information

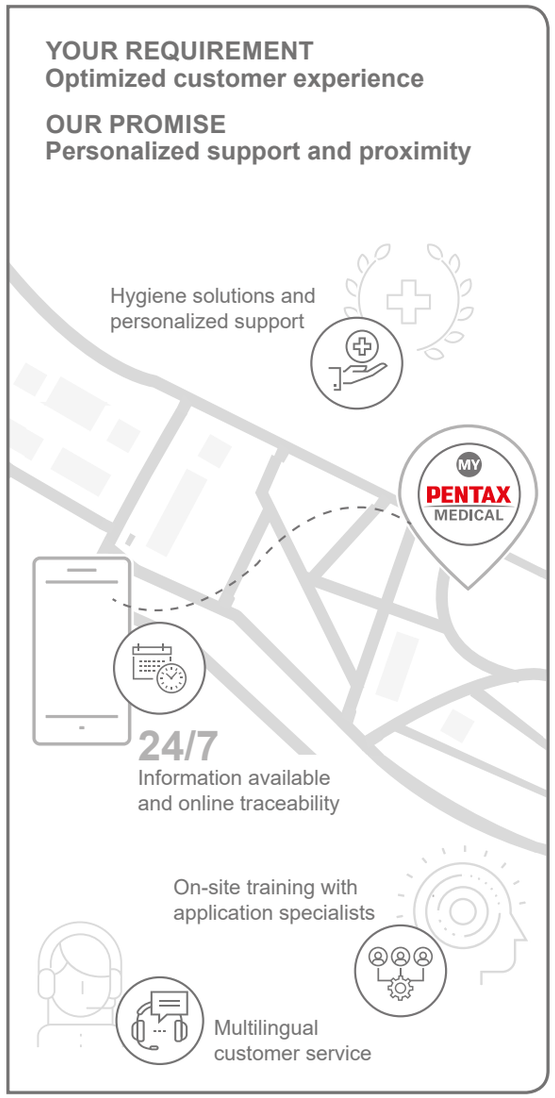
Improving your **healthcare productivity** through technical reliability, support, and advice which enables your departments to operate effectively and efficiently.

Click for more information

Your needs shape our service







Because for PENTAX Medical Service, our partnership means your success.

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EC REP

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smart medical systems

PENTAX MEDICAL
Excellence in Focus