Roadmap to the future of Diagnostic Imaging

HORIZON EVOLUTION		H1: Barco as Assistant Barco provides the radiology department with workflow tools that assist them in diagnosing and collaborating with others.		H2: Barco as Advisor Barco provides the imagers with the confidence to make the correct diagnosis through a service that advises them in directing imaging techniques.			H3: Barco as Co-pilot Barco provides imagers with a seamless experience while diagnosing, directing and collaborating through communication and viewing tools that are easy to use and are connected to each other.				
VALUE PROPOSITION		Barco sells screens to resellers per piece. These screens have software options that are included in the purchase.		Barco sells screens and their platform to hospitals as a service. These products including the software options are paid for periodically and separately.			Barco sells all of their products and services directly to hospitals. The amount of care that these provide is measured and the total amount of care received by Barco is paid for periodically as a whole.				
BUSINESS MODEL		Manufacturer business model: Assembly of components into a product to sell (B2B).		Screen as a Service (SaaS) and Platform as a Service (PaaS): Screens, the accompanying tools and the platform are paid for periodically as a service (B2B).			(Yet to be defined business model) Co-piloting as a Service (CaaS): The amount of provided care is calculated and this care is paid for periodically as a service (B2B).				
	Remoteness			Enabling the imagers to diagnose from home, increasing the remoteness							There is no need screen to be pre for this praction Increases remote
USER VALUES	Certainty	Eliminates faulty diagnoses due to eye-fatigue, increasing certainty		The applications provide the anomalities and urgency of cases increasing the certainty			Offerin amount o and per further in certainty	Offering a large amount of algorithms and peer reviews further increasing the certainty of diagnosis			Vastly improvin accuracy and sp the surgeon, pro more certainty o
	Accessibility	Informal adapts to t makes sha acces	tion that the reader aring more ssible	The overview platform prov additional access to the available	of the vides ssibility e tools						
	Collaboration	Increased understar other and faster col	d speed of nding each therefore laboration								Co-piloting a providing guida surgeons incre collaboratic
SOLUTIONS	Tech-savvy			The platform itself enables the imagers to be the directors of available tools				The size of the screen can be determined by the imager, dependant on the task to be performed			
		Assisting workflow		Advising on diagnosis		Critical evaluation fo - Is there value for the u pilots when compared to - Is the knowledge on du sufficient or is a partner - Why is Barco the organ - Is the technology read this specific application? - Is the HMD integratable	Co-piloting care				2028 Co-piloting Head mour (HMD) that surgery as This solutio to co-pilot real time.
	Visualizing	Assistive screens Screens that assist the workflow of the imager with various software applications that run locally. The screens have a camera & microphone and can be controlled with speech			Advisory e Screens th imager tha application platform. 2022 2022 at the imager	screens hat advise the rough local ns and a new AI The screens ntrolled with and can be used agers home			Co-piloting screens Smart screens that provide a seamless experience through local applications, the AI platform and human-like interaction	Caze control Software that slows the imager to control the slows the imager to control the slows the imager to control the gestures & eye movements	
	Artificial Intelligence	Critical evaluation for further development - Is the knowledge on building and managing Al platform in house sufficient or partnership needed? - Are there resources to sustain an includor for the purpose of building and managing a platform? - Is the amount of content from developers sufficient for the launch? - Is the near four or a different business model and how will this evolve in the near future? - Is the platform integratable/secure/regulated/etc?		Al A	an Flagging Software that flags the locations of anomalities is of anomalities is of anomalities in scans. Learns from correctly annotated data		Al Al Al Al The review S Starts to add to the amoun reviews. The co-pilots the it helps in de algorithms to	Latform ystem value due t of platform imager as ciding what o choose. Second opinion Software that provides the imager with a second opinion, replacing a second imager			
DATA					Correctly flagged anomalities from annotated patient data	Conditions at home regarding sound, light and user input	ior is	Correct second opinions from annotated patient data		Correct gaze & eye movements for specific commands	
TECHNOLOGY		Natural Language Processing (NLP)		Natural Vision Processing (NVP)			Natural Communication Processing (NCP)				
		Eye-tracking									
		LCD					Micro LED				
				Luge Al				!			
TIME											
	20	019 2 year	rs 20	021	3 years	20	124		5 years		

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