

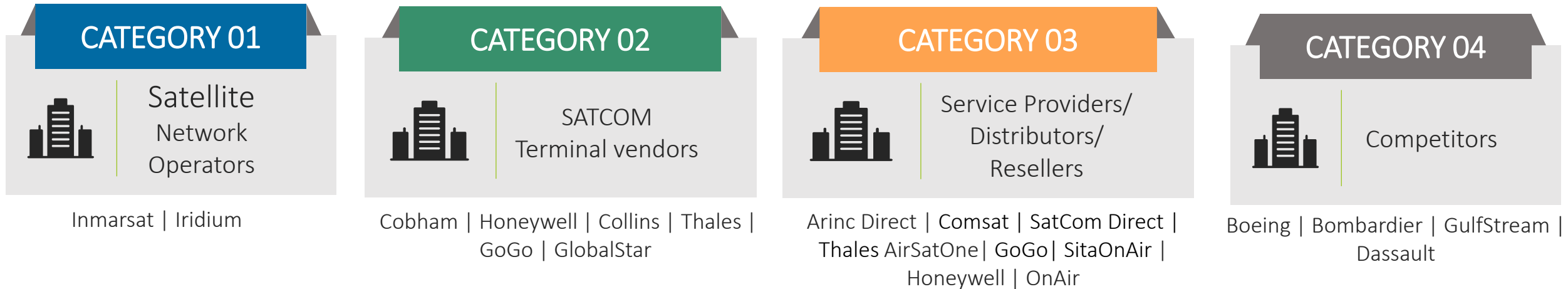
SwiftBroadband (HGA)	SwiftBroadband (IGA)	SwiftBroadband 200
Find out more >	Find out more >	Find out more >
<p><b>Four channels &lt; 432kbps each</b> Dynamic IP streaming 8, 16, 32, 64 or 128kbps (combined 192kbps max)</p> <p><b>X-stream full-channel streaming &gt; 250kbps</b></p> <p>Circuit-switched voice and multi-voice VoIP</p> <p><b>Standalone or simultaneous operation with Inmarsat Aero H+</b></p> <p>Compliant with Arinc 781</p>	<p><b>Four channels up to 332kbps each</b> Dynamic IP streaming 8, 16, 32, 64 or 128kbps (combined to a maximum of 160kbps per channel)</p> <p><b>Circuit-switched voice</b></p> <p>Multi-voice VoIP</p> <p><b>Compliant with Arinc 781</b></p>	<p><b>Single channel &lt; 200kbps</b> Dynamic IP streaming 8 or 16 kbps</p> <p><b>Circuit-switched voice and up to 3 multi-voice VoIP</b></p> <p>Stand-alone system</p> <p><b>Small and compact avionics</b></p> <p>Low-gain blade antenna</p>
Antenna weight: High gain < 9.5kg	Antenna weight: Intermediate gain < 3.5kg	Antenna weight: SwiftBroadband 200 < 0.7kg

# ARINC 781 SwiftBroadband



## A Market & Tech Trends analysis

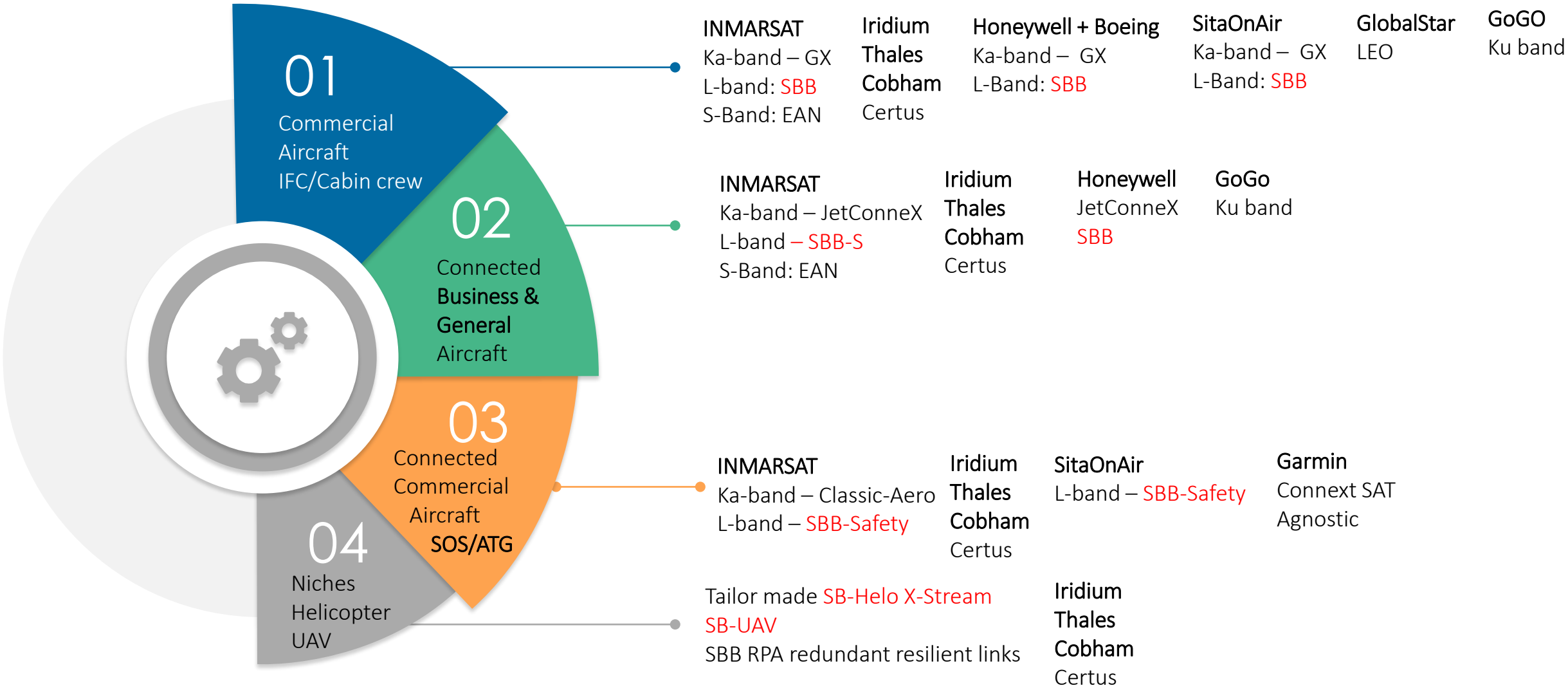
## SwiftBroadband Service - Actors



<b>Category-1</b> What offer?	1) Enabling connected electronic flight bag (EFB) applications, 2) Lowering airlines' fuel costs and carbon dioxide (CO <sub>2</sub> ) emissions, 3) Ensuring improved flight tracking, real-time flight data streaming known as "Black Box in the Cloud"
<b>Category-2</b> How?	Cobham's AVIATOR 300D SATCOM system (Class-7), AVIATOR 200S system, Honeywell JetConnect -Secure IP and ACARS data services, multiple IP voice channels
<b>Category-3</b> How?	Boeing 767/757/737 Light Cockpit Satcom (LCS) solutions (for A310/A319/A320/A321/A330/A340 families)

# Market Intelligence

Aviation market segments & trends since **2017**? High growth segments?

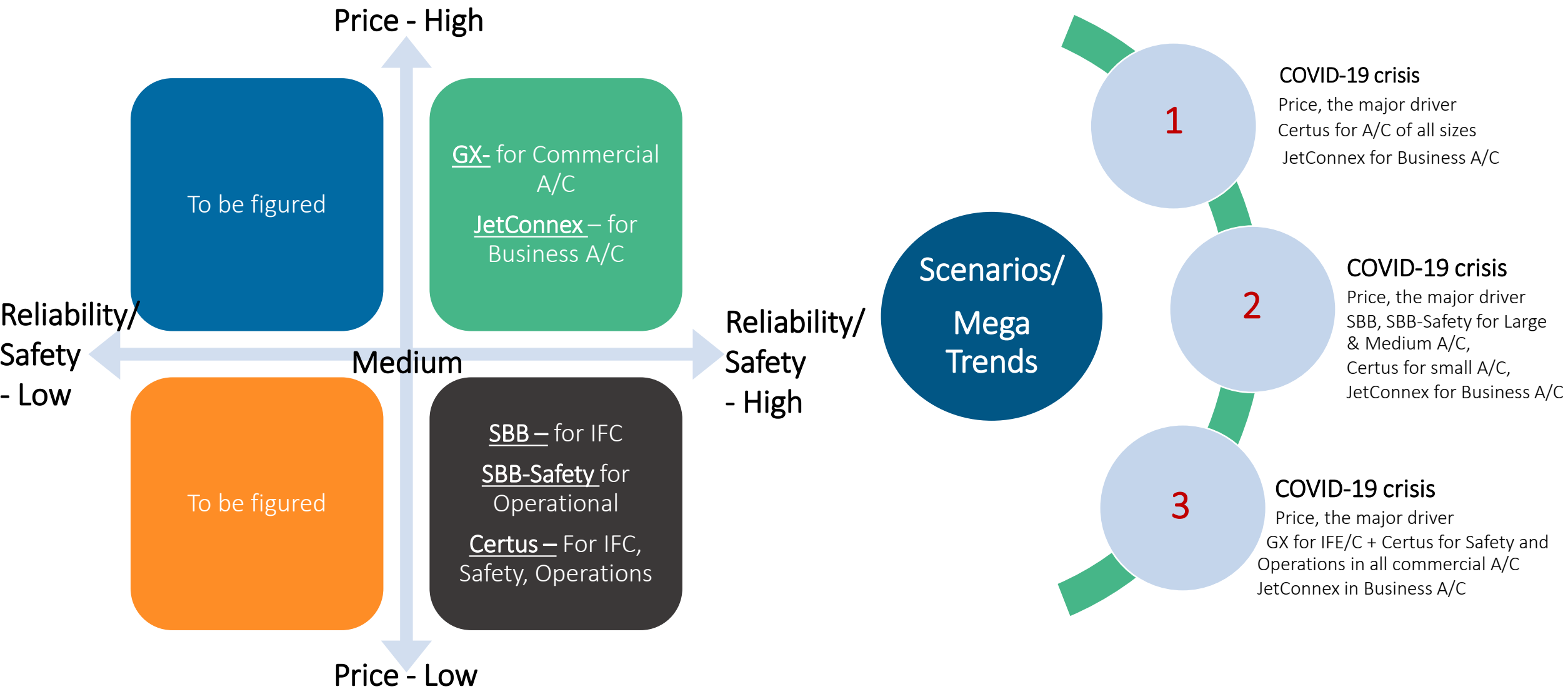


# Mainstream Broadband Services

	Max. Speed/ Bandwidth/ Streaming	Antenna Options	Services Scope	Key Differentiators
<b>GX</b>	20 Mbps Frequency reuse Spot beam sharing Dynamic Streaming Full channel Streaming	Exterior Antenna, Radome	Cockpit to Cabin to Tail	High bandwidth, WiFi Guaranteed speed Capacity redirection No drop-Off Adv Entertainment
<b>SBB</b>	1.7 Mbps (432 kbps x 4) Dynamic Streaming Full channel Streaming	1) High gain, 2) Intermediate gain 3) Low gain	Cockpit to Cabin to Tail	Streaming services Guaranteed speed Pricing based on usage
<b>Certus</b>	1.4 Mbps Streaming data	1) Smaller low gain, 2) Solid-state	Cockpit to Cabin	Low cost Pole to Pole coverage Low latency Highest reliability Low weight, low drag



# Key Solution drivers? Probable scenario's?





# Thank you !

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Questions are welcome!

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