Cabin Interior Product Breakdown and Driver Applicability

Design Drivers and Factors

(enter "a" for "applicable" in corresponding cells to reflect project scope)

Function	System	Description	Element		1. Revenue Potential						2. Collaborative Potential				3. Passenger Perception						4. Passenger Experience					5. Outside Interfaces			6. Operational Cabin Qualities							7. Integrated Cabin Quality				8. Sustainability				9. Implementation NRC					10. Implementation RC				11. In-Service RC			12. In-Service NRC				
					a. Brand Image	b. Promotion Channels	c. Upfront Pricing	d. Access Pricing	e. Growth Potential	f. Innovation Capacity	a. Distribution Channels	b. Advertising Channels	c. Co-Branding Potential	d. Retail Channels	a. Physical Comfort	b. Cabin Purity	c. Aesthetics	d. Autonomy	e. Ambience	f. Trendiness	a. Ergonomics	b. Cabin Environment	c. Experiences	d. Useability	e. Interfaces	a. Outside View	b. In-Flight Information	c. In-Flight Communication	d. Journey Continuity	a. Passenger Capacity	b. Configuration	c. Luggage Storage	d. Turnaround Efficiency	e. Service Capabilities	f. Crew Information	g. Crew Operations	a. Fuel Burn	b. Adaptability	c. Applicability	d. Safety	a. Environmental	b. Economic	c. Social	d. Circularity	a. Availability	b. Designability	c. Integrability	d. Manufacturability	e. Certifiability	a. Procurement	b. Installation	c. Phasing Out	d. Depreciation	a. Operational Needs	b. Maintenance	c. Data Management	a. Reliability	b. Repairability	c. Modifications	d. Opportunity Losses
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
1. Structural & Mechanical Items	Passenger Seating	*All primary & secondary seat structures, furnishings, mechanisms. Assemblies for one seat type that may not apply to other e.g. business-class seat shroud. Excludes components that are not structural e.g. the IFE system.*	Passenger Seats - Economy & PE	0																																																								
			Passenger Seats - Business Class	0																																																								
			Passenger Seats - 1st Class & Suite	0																																																								
			Crew Seats & Rest Modules	0																																																								
			VIP & Special Sofas & Beds	0																																																								
			VIP & Special Aircraft products	0																																																								
	Cabin Linings & Furniture	*All kinds of cabin furnishings i.e. secondary structures and decorations.* ***Note:*** *cabin linings and insulation are seldom developed by CEM, and are usually line-fit.*	Floor-to-Floor Cabin Linings	0																																																								
			Cabin Insulation	0																																																								
			Cabin Flooring	0																																																								
			Cabin Stowage	0																																																								
			Monuments & Other Furnishings	0																																																								
			Transparencies	0																																																								
			Cabin Dividers	0																																																								
			Cargo Linings	0																																																								
	Materials & Compounds	*Any unique components, materials, or compounds located in the interior products or applied to it, which do not constitute a complete cabin product. Exhibit cross-product application (applicability not constrained to any specific cabin item), which often differs between cabins (i.e. different materials are used for same components).*	Metals & Derivatives	0																																																								
			Plastics, Resins and Foams	0																																																								
			Composites	0																																																								
			Textiles & Leathers	0																																																								
			Fasteners & Bracketry	0																																																								
			Adhesives & Sealants	0																																																								
			Paints & Treatments	0																																																								
			Miscellaneous Components	0																																																								
			Tooling & Equipment	0																																																								
2. Passenger Service Equipment	Lavatories	*Typically supplied onto aircraft as complete individual units assembled by CEM using sub-components from higher-tier suppliers.*	Lavatory Modules	0																																																								
			Water & Biowaste Systems	0																																																								
			Showers	0																																																								
	Galleys	*Single-unit and modular configurations exist. Trolleys are built to standard size and may be supplied separately from the galley by different vendor.*	Galley Modules	0																																																								
			Trolleys	0																																																								
			Cabin & Galley Waste Management	0																																																								
	Cabin & Crew Interface	*Cabin control interfaces for passengers and crew serving any purpose that requires a physical touch point. Excludes lavatory & galley interfaces.*	PSU	0																																																								
			Cabin Management & Security	0																																																								
			Interface Panels (Buttons, Ports, Sockets)	0																																																								
	Miscellaneous	*Re-usable and consumable goods and service items*	Amenities	0																																																								
3. Core Data & Power Systems	Cabin Data Systems	*Data handling equipment for both entertainment and functional purposes, both wired and wireless.*	Data Storage & Processing	0																																																								
			Data Distribution	0																																																								
			Satellite Communication	0																																																								
			Software	0																																																								
	Cabin Power	*Cabin power wiring (e.g. IFE, seat mechanism powering)*	Cabin Power Distribution	0																																																								
	IFE	*IFE completions are often assembled by CEM using components from higher-tier suppliers, particularly the individual CDS elements (visualisation and audio systems).*	IFE Completions	0																																																								
			Visualisation Systems	0																																																								
			Audio Systems	0																																																								
	Cabin Lighting	*Coloured & white wash lighting, functional lights operated in special locations e.g. reading, lavatory, galley.*	Mood Lighting Systems	0																																																								
			Functional lighting	0																																																								
	Cabin Air	*Ducts and filters for air distribution. Excludes passenger air vents (part of the PSU).*	Air Distribution & Ventilation	0																																																								
			Air Filtering & Disinfection	0																																																								
4. Emergency & Evacuation Equipment	Cabin Safety Equipment	*Life vests belong to a different category since supplied separately from the seats. Cabin oxygen includes both cabin crew (portable) and passenger (fixed) oxygen systems. Cabin evacuation includes slides and rafts.*	Life Vests	0																																																								
			Emergency Lighting & Floor Marking	0																																																								
			Signs, Indicators & Placards	0																																																								
			Cabin Oxygen	0																																																								
			Cabin Evacuation	0																																																								
	Life Support Equipment	*Produced separately, but supplied as part of the Evacuation systems.*	Emergency Location Transmitters	0																																																								
			Survival Kits	0																																																								
	Smoke & Fire Systems	*Fire prevention implies passive solutions to hinder fire development: fire retardant chemicals or materials.*	Fire Protection Systems	0																																																								
			Fire Prevention	0																																																								

The User to reflect factor-product applicability by entering '*a*' into the empty cells as appropriate for their project.

Delete this grey text box before use.