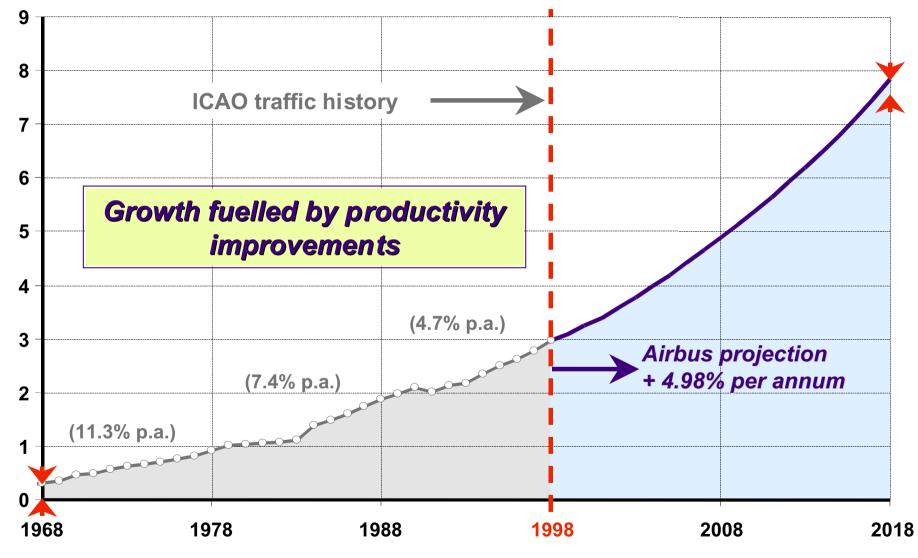


– Air travel will continue to grow strongly

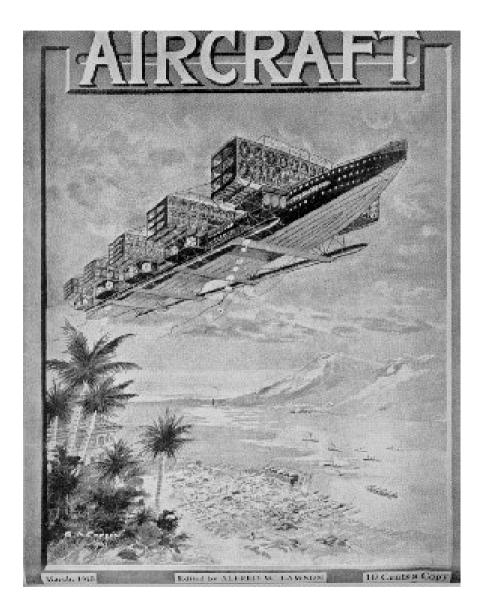
World annual traffic - trillion RPK



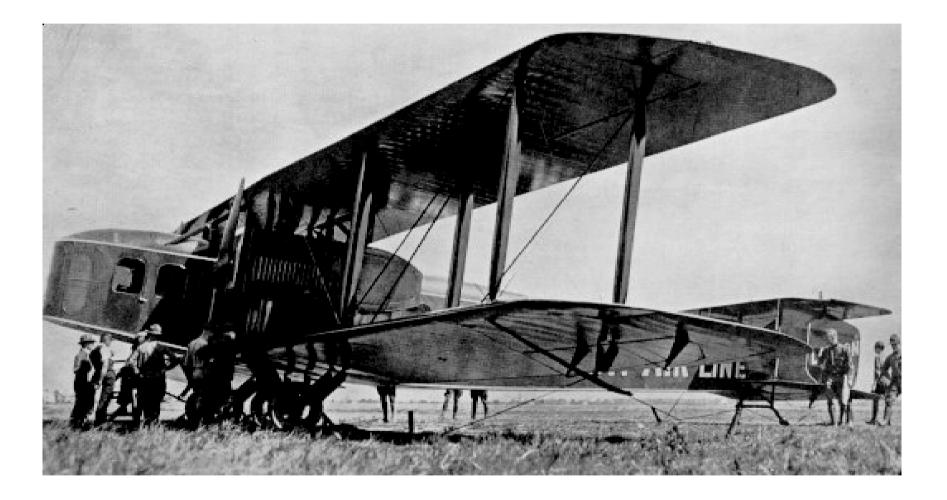
Source: 1999 Global Market Forecast



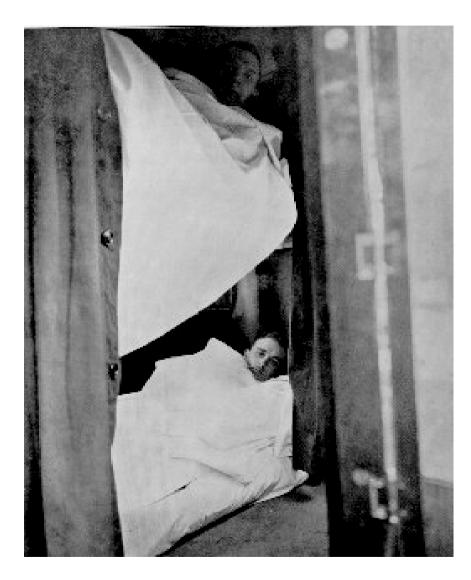




— Lawson C-2 Airliner (1919)

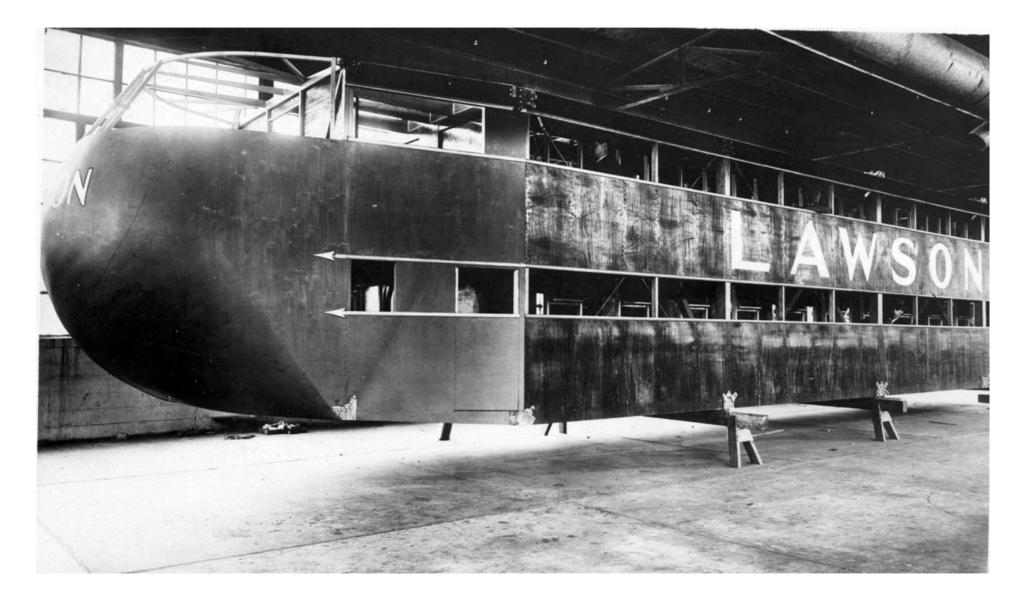


— Lawson C-2 Airliner (1919)





— Lawson "Super Airliner" (1927)



A snapshot from 1952

so near by B.O. When you fly by B.O.A.C. to any of fifty-one of immense network of world-wide air routes you within easy reach of many people and may distant by any other means of transport comfortable hurry, secure in the knowler 33-year-old tradition of experience airmanship.

So far... and yet

First Class services to BOSTON or MONTRE

FLY FIRST CLASS from London in doub spaciousness. Enjoy a swift, sure flight Relax in deep-seated comfort; enjoy con mealtime drinks. Meet con the lower-deck lounge. Retififoam-soft berth (nominal extra ch long service-including breakfith).

> OR FLY TOURIST CLASS fares on the popular "May York or Boston; "Beaver Fully pressurized 4-engined Moderate charge for meals

Current "off-seas mean big savings Until 31st March, fly B.O.A.C. 1st Class or T lowest-ever return fares. Y has details.

Consult your local B.O.A.C. Appointed Agent or B.O.A.C., Airways Tr Victoria, S.W.1 (VICtoria 2323); 75 Regent Street, W.1 (MAYfai or offices in Glasgow, Manchester, Birmingham and Liverpool.

V BRITISH BY **R**•

B.O.A.C. TAKES GOOD CARE OF YOU

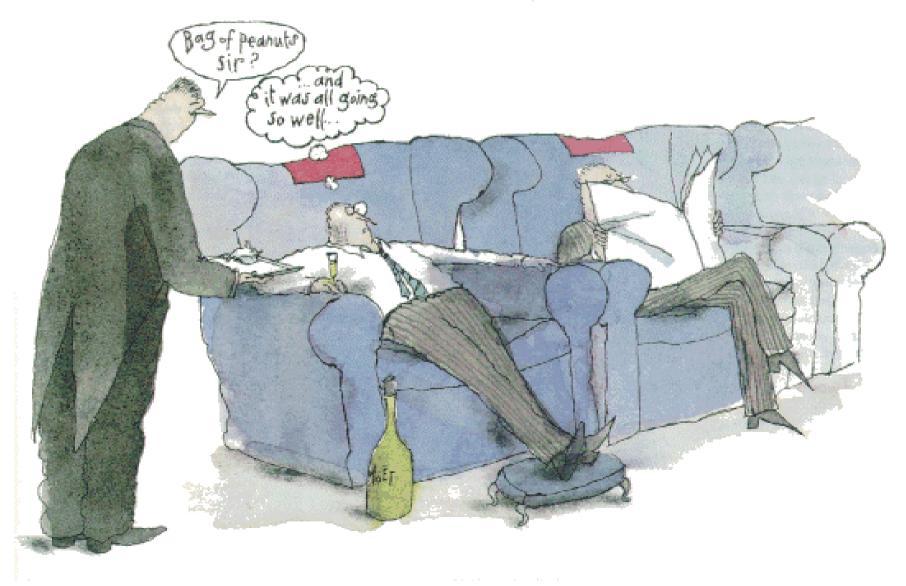
BRITISH OVERSEAS AIRWAYS CORPORATION IN ASSOCIATI EMPIRE AIRWAYS LIMITED AND TASMAN EMPIRE A

First Class services to NEW YORK BOSTON or MONTREAL overnight

FLY FIRST CLASS from London in double-decked Stratocruiser spaciousness. Enjoy a swift, sure flight at fine-weather heights. Relax in deep-seated comfort; enjoy complimentary meals and mealtime drinks. Meet congenial companions in the lower-deck lounge. Retire to the privacy of a foam-soft berth (nominal extra charge). Attentive nightlong service—including breakfast in bed, if you wish!

> OR FLY TOURIST CLASS at substantially lower fares on the popular "Mayflower" service to New York or Boston; "Beaver" service to Montreal. Fully pressurized 4-engined Constellation airliners. Moderate charge for meals.

— Today : A cynic's view



Reproduced by courtesy of High Life magazine

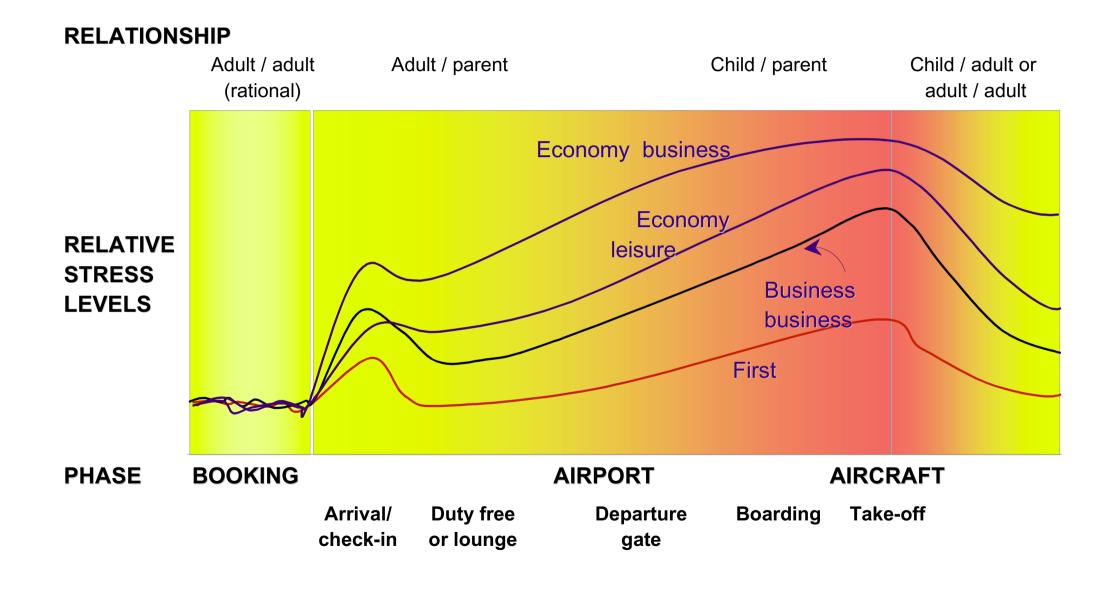
The aircraft cabin ...



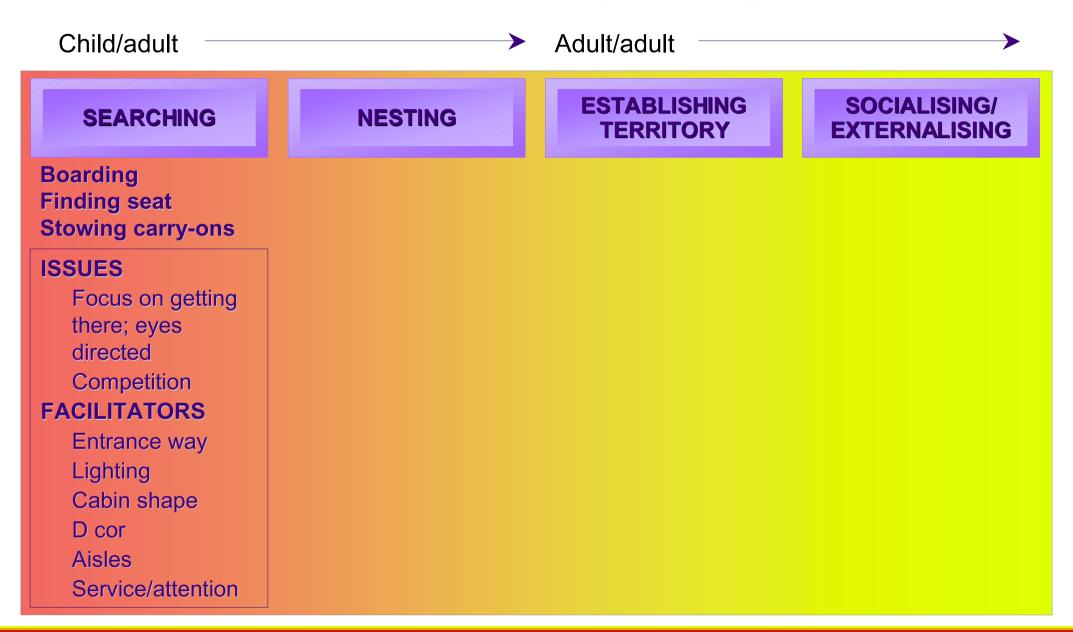
... is strongly influenced by its contents



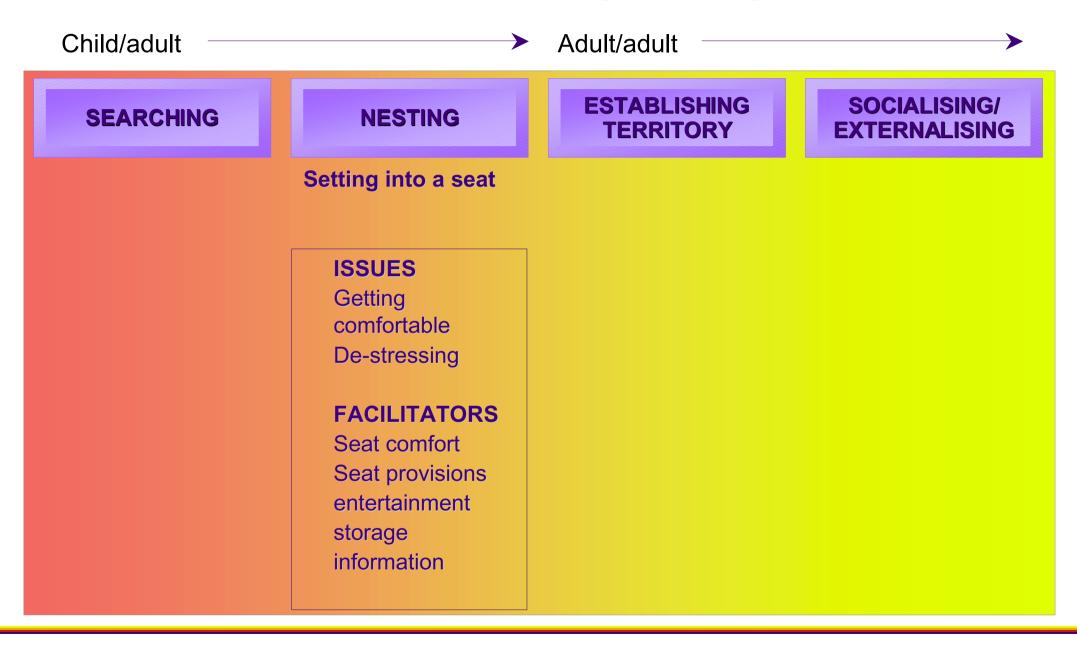
— The passenger's environment



Stress levels reduce during the flight



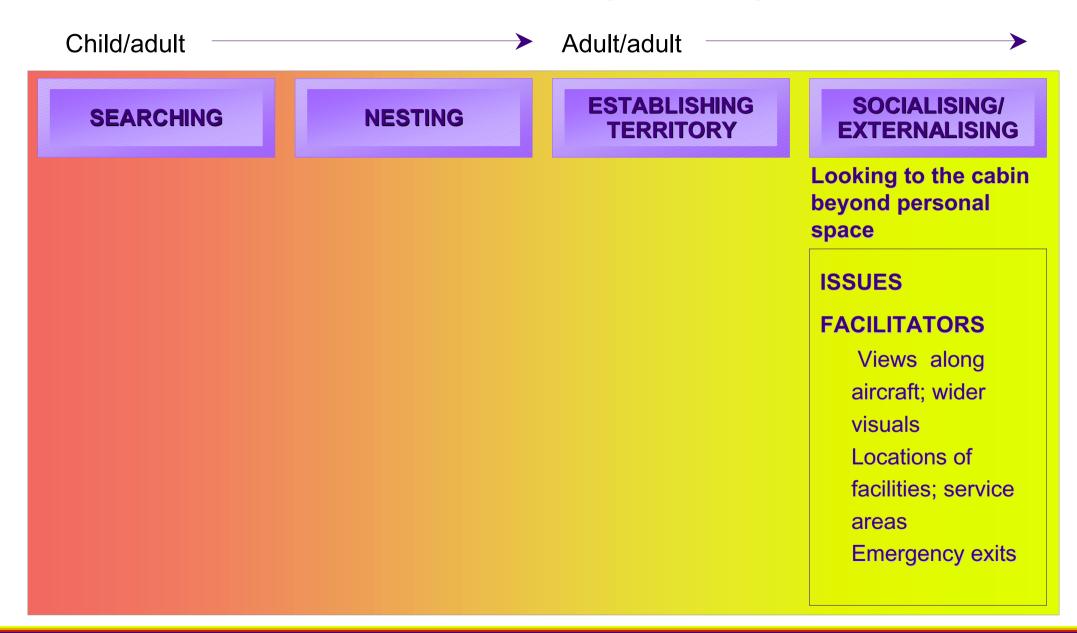
Stress levels reduce during the flight



— Stress levels reduce during the flight

Child/adult		Adult/adult	>
SEARCHING	NESTING	ESTABLISHING TERRITORY	SOCIALISING/ EXTERNALISING
		<section-header></section-header>	

Stress levels reduce during the flight



What do our customers expect?

A clean, attractive cabin in good repair

Fittings that fit, switches that switch, lights that illuminate

Space to stow their baggage

An atmosphere that neither stifles nor chills

An environment that reassures

A comfortable seat

IFE that works

— A3XX : tomorrow's aircraft

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Opportunities and Challenges



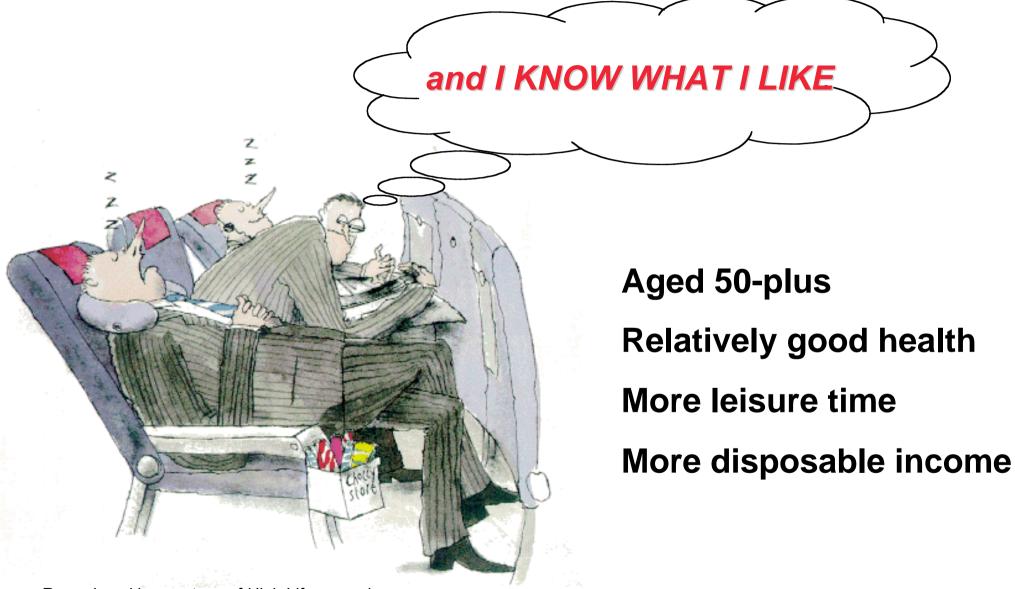


Demand

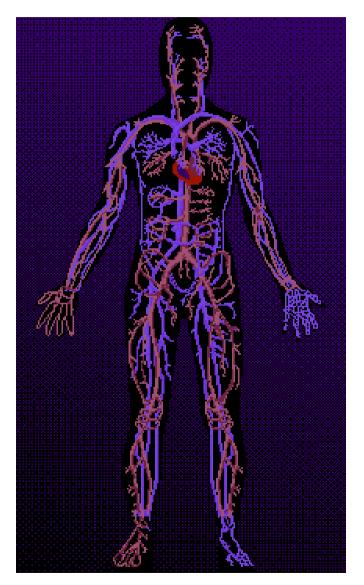
First-time travellers More trips made on average Business vs. leisure Who pays ? Who chooses ?

Supply Segmentation Consolidation Variety of product offer f (market size) Niche products

— Tomorrow's customer



– Physical considerations - cabin



Blood circulation

Remain seated or move around ? Advance warning of turbulence

Air quality What is Fresh air ? Humidity Bacteria / viruses

'BodyWor ks

Physical considerations - seat



Today's premium seat Armchair Dining chair Office chair Lounger Bed plus ...

Constraints

16g test Head Impact Criteria Flammability Electrical insulation plus ...

'BodyWor ks



Optimal stowage

Check in, or carry on

Trust

Active or Passive

Identification and reconciliation

Direct links to ground tracking systems



Beef, fish or chicken ?

Short-haul vs. long-haul

Affordable choice

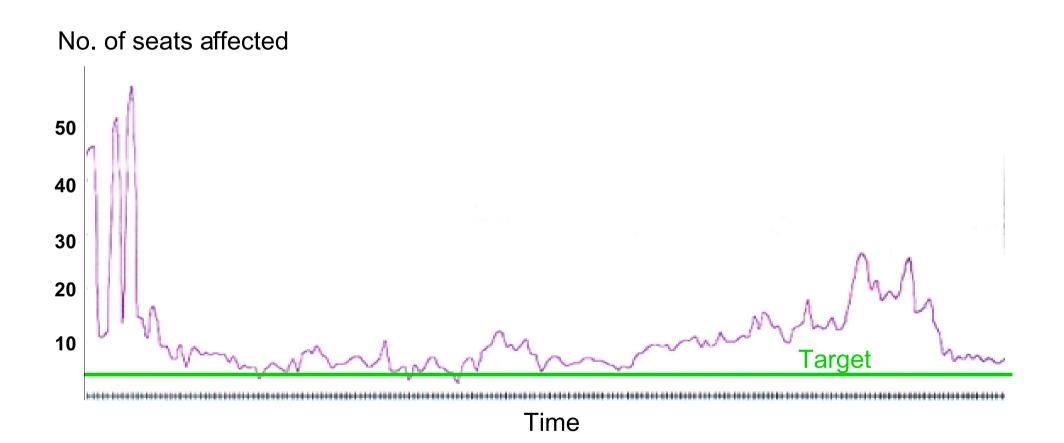
Matching delivery to expectation

Maintaining the cold chain

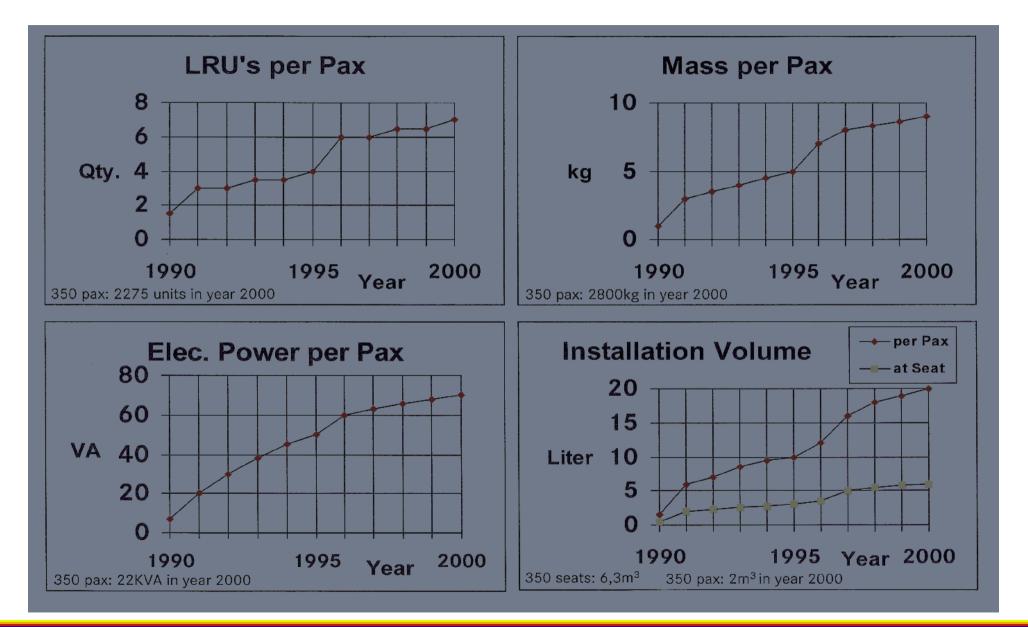
— In-Flight Entertainment



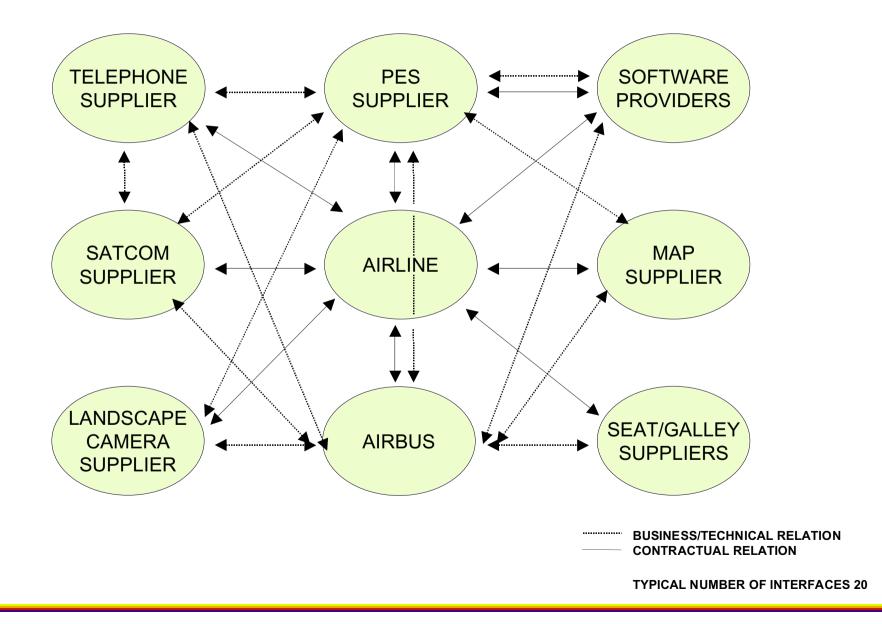
— IFE reliability after introduction



Trends that must be reversed



— BFE relationships for IFE



Information management

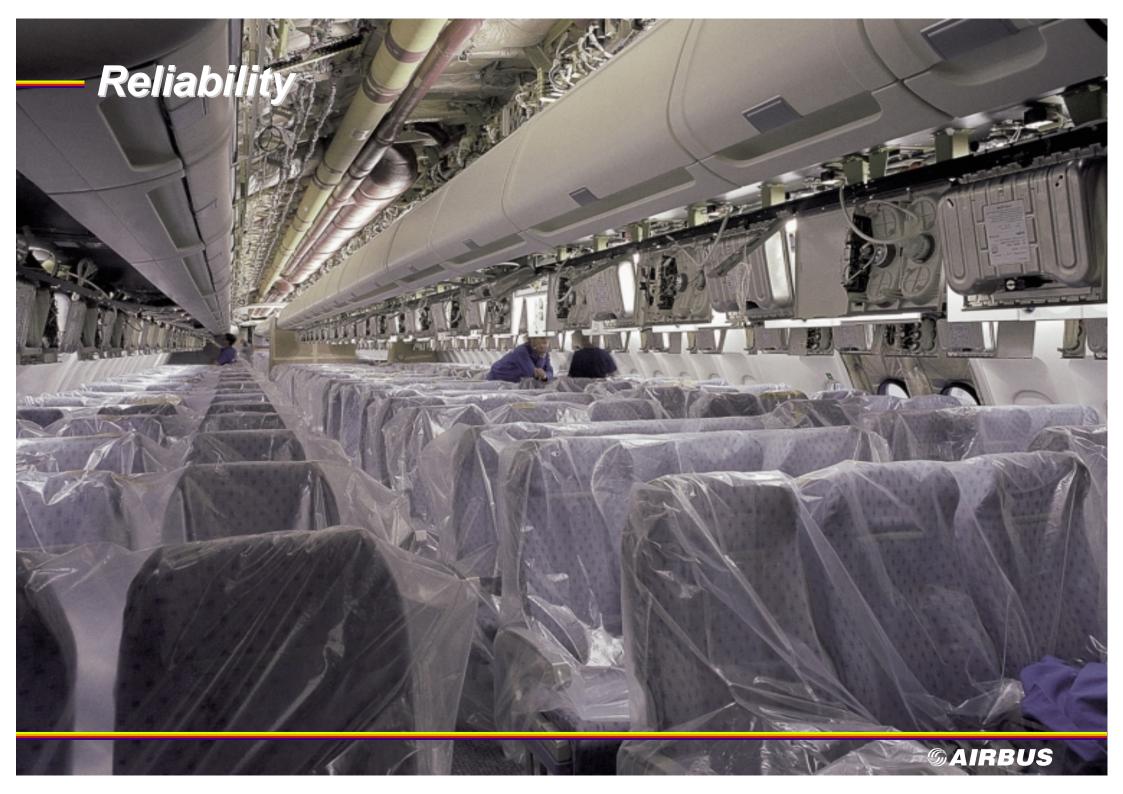
Ground Airport Aircraft Airport Ground Customer Service Sharing - Preserving - Enhancing the Customer Relationship throughout

Technical Support

- Configuration control
- Troubleshooting

Regulatory control

- Customs and immigration
- Security





- Cabin flexibility

Hardware changes : attachment, movement, modularity

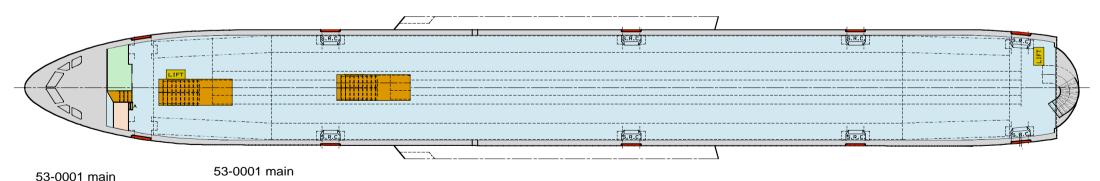


53-0001 up

53-0001 up

Maintenance concerns : access, wear-resistance

Software re-configuration



Planned changes will be made easier in practice

— Standardisation

Standard specification = a flyable/certifiable aircraft

- Addresses common customer requests
- Latest design standards and beyond
- Design commonality

Standard spec. enriched and some BFE becomes SFE

"Free of charge" first customised layout

- within flexible zones
- quantities within definition of standard specification

"Package" included in standard spec. airframe price

- 15-25 % cost reduction in Airbus modifications
- 30 % price reduction on BFE into SFE

1% - 1.5 % reduction in airframe price Incentive not to request airline specific changes

— Opportunities

BEFORE Airbus Standard Airplane

Customisation equaled 6% of airplane price

AFTER Airbus Standard Airplane

Customisation equals 3% of airplane price

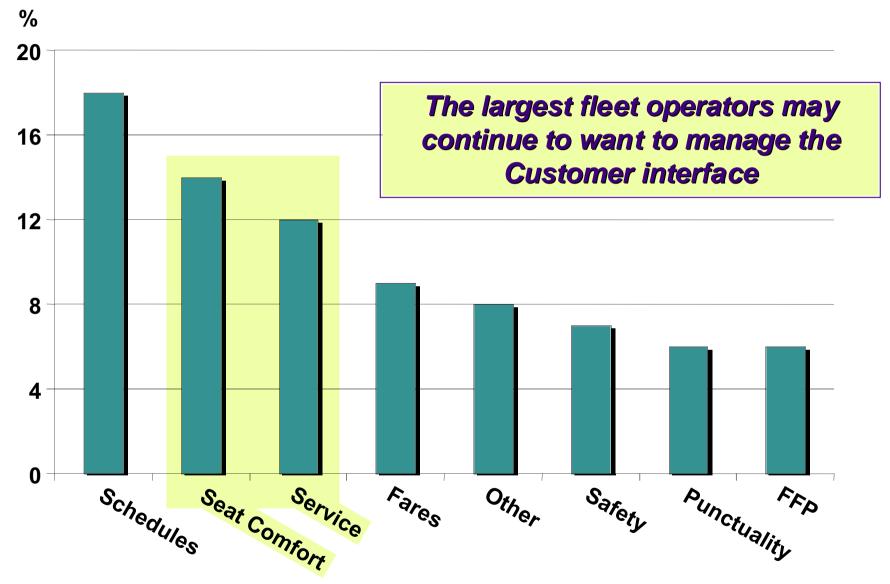
at reduced airframe mod cost with SFE into BFE price reduction with catalogue flexibility at reduced prices

Cabin customisation represents

60 % of total customisation costs for A320 family70 % of total customisation costs for A330/A340 family

IFE represents 50 % of cabin customization

— Drivers for choice of airline



1998 IATA Corporate Air Travel Survey - total long-haul

— New materials

Regulatory changes

- Life beyond TSO-C127
- Heat release

Qualification procedures

Low-maintenance

Someone, somewhere will develop a lightweight, zero heat release, transparent material !



Entry-Into-Service: 4th quarter 2005

GAIRBUS

To be continued !

