

Engine controls and health monitoring 2020

The 5th review of the world Engine controls and health monitoring market
from Counterpoint Market Intelligence Limited

Our new report analyses the aircraft engine controls and health monitoring market. We have created a new integrated market model that assesses over 50 engine control components across the 9 categories in Aerospace & Defence markets to produce;

- Estimated market size in 2019; OE, spares and repairs
- Market growth projections and segmentation
- Estimated total market growth over the period 2019-2029

We describe the engine controls market structure and supply chain and give our estimates of the sales and market shares of the leading systems suppliers.

We look at key trends in the market including

- Engine manufacturers seeking greater control of key engine control and health monitoring technologies
- Consolidation in the supply chain, which has been happening for a long time

We have further segmented the market into nine categories;

- FADECs/EECs/ECUs
- FADEC related engine sensors
- Fuel Metering Units/Fuel Control Units
- Fuel pumps – main engine and boost pumps
- Actuation – variable geometry, bleed air, active clearance control
- Valves – servo valves, bleed air valves, fuel control valves
- Thermal heaters/heat exchangers (fuel)
- Engine nozzles/spray bars
- Ignition systems – exciters, igniters

We have estimated the market sizes in 2019 and the market shares of the key players in these segments and we discuss the key market trends in each.

- We include a matrix showing a comprehensive list of engine programmes and component suppliers in the nine categories above.
- We also give brief of the aero-engine electrical harnesses market

We have increased the number of company profiles to 24 reflecting the increased market scope of this report. Our profiles cover;

- Origins and ownership
- Estimate of engine controls sales & financials
- Operations and technologies
- Customers and contracts
- Strategy
- Recent developments
- Our comments on its overall market position

In summary, we believe Engine Controls and Health Monitoring to be attractive market sector underpinned by significant Intellectual Property and high entry barriers

We would be pleased to provide an hour's free consultancy to purchasers of this report.

CONTENTS

1. Introduction
2. Executive summary
3. Scope of the Report
4. The impact of Covid-19
 - 4.1. Forecasts in this report
 - 4.2. Some initial observations
5. The engine controls market
 - 5.1. Market size in 2019
 - 5.2. OE Growth projections and market segmentation
 - 5.3. Estimated sales and market shares of the major suppliers
 - 5.4. Market characteristics and trends
 - 5.4.1. Market structure
 - 5.4.2. Aftermarket
 - 5.4.3. Engine Health Monitoring
 - 5.4.4. Low cost manufacturing
 - 5.4.5. Consolidation
 - 5.4.6. Technology
6. Electronic Engine Controls (EECs, DEECs, FADECs, etc.)
 - 6.1. OE Market size and shares in 2019
 - 6.2. OE Market characteristics and trends
7. FADEC-related Sensors
 - 7.1. OE Market size and shares in 2019
8. Fuel/Hydraulic Metering Units
 - 8.1. OE Market size and shares in 2019
 - 8.2. OE Market characteristics and trends
9. Fuel Pumps
 - 9.1. OE Market size and shares in 2019
 - 9.2. OE Market characteristics and trends
10. Valves
 - 10.1. OE Market size and shares in 2019
 - 10.2. OE Market characteristics and trends
11. Fuel Nozzles
 - 11.1. OE Market size and shares in 2019
 - 11.2. OE Market characteristics and trends
12. Exciters/Igniters
 - 12.1. OE Market size and shares in 2019
 - 12.2. OE Market characteristics and trends
13. Engine Actuators
 - 13.1. OE Market size and shares in 2019
 - 13.2. OE Market characteristics and trends
14. Heaters/Heat exchangers
 - 14.1. OE Market size and shares in 2019
 - 14.2. OE Market characteristics and trends
15. Electrical Harnesses
16. Profiles of Systems suppliers
12 company profiles
17. Profiles of Component suppliers
12 company profiles
18. Counterpoint Market Intelligence Limited terms of business

WHY COUNTERPOINT?

Counterpoint Market Intelligence Limited was formed by George Burton and Richard Apps in 2004 to offer original, independent and rigorous research into aerospace markets. Between them, George and Richard have over 40 years of experience in senior positions in aerostructures, engine components, and aerospace equipment.

Counterpoint is an international business, with 80% of sales outside the UK. Sales of research reports have led to consultancy projects. Two thirds of sales are to the aerospace industry – aircraft and engine OEMs and first and second tier suppliers. Other clients are private equity funds, investment banks and government organisations.

In addition to this report the following reports are available from Counterpoint Market Intelligence Limited:

- Aero-Engine and IGT components 2020
- Aircraft interiors 2019
- Aerostructures 2019
- Aerospace composites 2019
- Aerospace actuation 2018
- Tooling & automated assembly for aerostructures 2017
- Mini reports;
 - Aircraft Harnesses and Electrical Standard Parts 2020
 - Aircraft Fluid Conveyance 2019
 - Aerospace Sensors 2019
 - Aerospace valves 2019
 - Aerospace Machining 2019
 - Aerospace Environmental Control Systems 2018
 - Aerospace ball screws 2015
 - Stuffing for airframes 2015

Counterpoint Market Intelligence Limited also undertakes commissioned consultancy studies for its clients in areas including the following:

- Deep-dive market analysis
- Evaluation of the strategic positioning of businesses
- Market and strategy-related due diligence for M&A
- Acquisitions search

How to buy the report

Please contact us using the contact details below or email us on enquiries@cpmil.com.

Richard Apps Tel: +44 (0)1235 868051
 Mobile: +44 (0)7741 035969
 e-mail: richardapps@cpmil.com

Address: Counterpoint Market Intelligence Ltd, Curlew Meadow, Denchworth, Oxfordshire OX12 0EA, UK
Website: www.cpmil.com

COUNTERPOINT MARKET INTELLIGENCE LIMITED TERMS AND CONDITIONS OF TRADING

Use

Single Site Licence: This report may be used by an unlimited number of people within the same site. Each of these people may use the report on any computer, and may print out the report, but may not share the report (or any information contained therein) with any person or persons outside that site without the written approval of Counterpoint Market Intelligence Limited.

Group Licence: This report may be used by an unlimited number of people within the same group of companies. Users must not share the report (or any information contained therein) with any person or persons outside that group of companies without the written approval of Counterpoint Market Intelligence Limited.

Limitation on liability of Counterpoint Market Intelligence Limited

Counterpoint Market Intelligence Limited makes no representation or warranty, expressed or implied, as to the accuracy or completeness of the information contained in this report.

Counterpoint Market Intelligence Limited shall not be held liable for consequential and indirect losses or loss of profit or revenue resulting from the use of this report.

No recommendations are made or should be implied from this report.

Intellectual Property

All intellectual property rights, including but not limited to copyright, shall remain the property of Counterpoint Market Intelligence Limited or any third-party licensors.

Payment

Payment of Counterpoint Market Intelligence Limited's invoices is to be made within 30 days of the date of invoice.

Governing Law and Jurisdiction

Any dispute or claim arising out of or in connection with this report (including non-contractual disputes or claims) shall be governed by, and construed in accordance with, the Law of England and Wales. The purchaser of this report irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim that arises out of or in connection with this report (including non-contractual disputes or claims).