

# **MEGGITT AT A GLANCE**

# 01 Group overview

Meggitt's antecedents can be traced back to the mid-19<sup>th</sup> century with innovations such as early aviation instruments for hot air balloons including the world's first altimeter. Today it is known for designing and manufacturing high performance components and subsystems for aerospace and defence markets and applies its core sensing and control technologies to hydro, steam and

gas turbomachinery generators, oil and gas applications and the medical, mainstream industrial, test engineering and transportation sectors.

With innovation at the heart of what we do, we've been enabling the extraordinary for over 160 years and continue to redefine our world through pioneering, sustainable technology for the most extreme environments.

# Organisation structure

The Group employs over 12,500 people across 42 operating facilities.

We are organised into four customerfocused divisions.

Airframe Systems Providing core components for original equipment airframe manufacturers across multiple platforms, and specialising in products designed to operate in demanding conditions across a diverse range of applications.

**Engine Systems** A leading supplier of core technologies for engine manufacturers across a broad range of competencies including thermal management, engine sensing and advanced composites.

**Energy & Equipment** Providing innovative aero-derivative technologies with applications across the energy and defence sectors.

**Services & Support** Providing throughlife MRO and spares services across our extensive installed base.

# 02 Our strategy and vision

Working closely with our customers, we deliver technologically differentiated systems and products with high certification requirements in aerospace, defence and selected energy markets.

Through focusing on engineering and operational excellence, we build

broad installed bases of equipment for which we provide support and services throughout their lifecycle.

Our ambitious and diverse teams act with integrity to create superior and sustainable value for all of our stakeholders.



To Fly

Expertise relied upon by customers to enable safe, sustainable and costeffective flight.



To Power

Products and services that enable Customers to reliably operate critical infrastructure without disruption.



To Live

Innovative technologies which enhance people's lives and make the world more secure.

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#### **Head office**

Meggitt PLC
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#### **Further information**

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**TEAMWORK** 

#### 03 Our values

Collaborating and building trusted global relationships through



Conducting ourselves with

INTEGRITY



Striving for operational



**EXCELLENCE** 

# 04 Financial highlights

constituent of the FTSE 100 index, our market capitalisation in February 2020 was just over £4.2 billion.

In the year ending December 31, 2019, revenue was £2,276 million yielding an

Quoted on the London Stock Exchange and a underlying profit before tax of £403 million.

Research and development expenditure in 2019 was £118.5m million, representing 5.2% of revenue. Over two-thirds of our innovation budget is invested in technologies for sustainable aviation.

# 05 Strategy

In 2020, our focus is to build on the achievements of last year in our four strategic priority areas.

Strategic Portfolio: Investing in attractive growth opportunities in our core business; targeting value enhancing acquisitions and selling non-core businesses.

Customers: Delivery of high-quality, on-time products services and support to increase Customer satisfaction while maximising the through life value of out

products, which are installed on over 73,000 aircraft.

Competitiveness: Investing in our people, property and plant to make operational performance a key competitive strength. Reducing fragmentation to increase economies of scale.

Culture: Build and nurture a high performance culture, where high levels of employee engagement enable us to accelerate strateav execution.

# 06 2019 sales across market segments, customers and countries

Major customers include AAR Corp, Airbus, Boeing, Bombardier, Delta Air Lines, Embraer, General Electric, General Dynamics, Honeywell, Lockheed Martin, Lufthansa, Raytheon, Rolls-Royce, Safran, Siemens, Textron, United Technologies and the US Government

#### **DIVISIONS**



% of Group t	urnover
Airframe Systems	47%
■ Engine Systems	14%
■ Energy & Equipment	18%
Services & Support	21%

#### **MARKETS**



#### **CIVIL - ORIGINAL EQUIPMENT**



	% of Group turnover
Large jets	72%
■ Regional jet	7%
■ Biz and GA	21%

#### CIVIL - AFTERMARKET

	% of Group turnover
Large jet	56%
■ Regional jet	24%
■ Biz and GA	20%

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# **MEGGÍTT**

#### **FACT SHEET**

#### **DEFENCE**



#### **ENERGY & OTHER**



# 07 Group structure

#### Revenue 2019 (by division)

Airframe Systems £1,057M Engine Systems £330M Energy & Equipment Services & Support £412M £471M

#### **EMPLOYEES BY REGION**



# EMPLOYEES BY LENGTH OF SERVICE



As at 31 December 2019

#### **Our divisions**

#### **Airframe Systems**

Markets Civil aerospace

Fixed wing defence aircraft Rotary wing defence aircraft Unmanned aerial vehicles

Product groups Braking Systems

Fire & Safety Power & Sensing

Fuel Systems & Composites

Polymer Seals

Capabilities Wheels and brakes (including control and monitoring systems)

Aircraft fire protection and safety systems Smart electro-thermal ice protection

Power generation, conversion and storage

Avionics and air data systems High performance sensors

Flexible fuel tanks for defence and civil aircraft

Airframe sealing solutions

Global presence France, Mexico, UK, USA, Vietnam

Key customers Airbus, Boeing, Bombardier, Dassault, Embraer, Gulfstream,

Leonardo, Lockheed Martin, Sikorsky, Spirit, Textron, United Aircraft

Corporation

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Sara Yapp



**Engine Systems** 

Markets Civil aerospace

Fixed wing defence aircraft Rotary wing defence aircraft

Marine

Product groups Flow Control

Thermal Systems
Engine Composites
Engine Sensing

Capabilities Complex high-temperature engine composite components

Control valves and sub-systems

**Engine sensors** 

Thermal management
Electro-mechanical controls
Environmental control

Fuel handling

Global presence Mexico, Switzerland, US, UK

Key customers GE, Honeywell, Rolls-Royce, SAFRAN, United Technologies

Corporation

**Energy & Equipment** 

Markets Defence ground vehicles

Defence and security Energy and industrial

Ground fuelling

Product groups Defence Systems

Training Systems

**Energy Sensing & Controls** 

Heatric

Capabilities Combat support (ammunition handling, electronics cooling and

countermeasure launch and recovery systems)

Live-fire and virtual training systems

Energy sensing and controls

Vibration condition monitoring systems for energy markets

Heat transfer equipment for offshore oil and gas

High-temperature sensors

Global presence Australia, Brazil, Canada, China, Denmark, Germany, India,

Netherlands, Singapore, South Korea, UAE, UK, USA

Key customers Energy: Andritz Hydro, Ansaldo, BHEL, GE, Hydro Quebec, Mitsubishi

Heavy Industries, Modec, Petrobras, SBM Offshore, Siemens, Solar

Turbines, Wartsila

Defence: Australian Defence Force, Boeing Defense Systems, Canada Department of Defence, Collins, General Dynamics, General Electric, Lockheed Martin, Northrop Grumman, Raytheon,

Rolls-Royce, Singapore Civil Defence, Textron, UK Ministry of

Defence, US Department of Defense

Other: NASA, Boston Scientific

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Sara Yapp



#### Services & Support

Markets Civil aftermarket

Military aftermarket

Capabilities Maintenance, Repair and Overhaul (MRO

Spares provisioning

SMARTSupport®

Global presence Singapore, UK, USA

Key customers Airlines: Air France, American Airlines, Delta, International Airlines

Group, Southwest Airlines, United

MRO Integrators: AAR, AJ Walters HAESL & SAESL, Lufthansa Technik,

OEM Services, Turkish Technic,

Distributors: Jamaica Bearings, Proponent, Seal Dynamics

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# 08 Investments

January 2020 Investment in HiETA Technologies Ltd, a UK company with world-

leading capabilities in metal additive manufacturing technology.

# 09 Acquisitions

March 2017 Elite Aerospace, a leader in the test, repair and overhaul of heat

transfer, pneumatic, hydraulic and avionic components for

commercial and military aircraft

December 2015 The composites division of EDAC, a leader in composites

manufacturing and component design engineering for aircraft

engines, aerostructures and defence applications

November 2015 The advanced composites businesses of Cobham PLC, a leading

supplier of extreme environment radomes, engine components and

complex secondary structures

December 2014 PECC (Precision Engine Controls Corporation), a leading supplier of

small-frame gas turbine actuation systems and fuel metering valves

used in oil and gas and power generation

September 2013 Piezotech LLC, a pioneer in high performance piezo-ceramic

technology

April 2011 Pacific Scientific Aerospace, a leading supplier of equipment for

critical military systems, commercial transport aircraft, business jets

and general aviation

January 2008 Ferroperm Piezoceramics A/S, the Danish producer of advanced

piezo-electric ceramic materials for sensing products

July 2007 K&F Industries Holdings Inc, a supplier of wheels, brakes, brake

control systems, flexible bladder fuel tanks, helicopter interiors, ice

protection and sealants

October 2006 Firearms Training Systems, a provider of simulation products for

firearms training

September 2006 Keith Products, a supplier of compact air conditioning systems for

business jets and general aviation aircraft

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August 2006 Radatec, a US start-up with breakthrough turbine tip clearance measurement technology November 2005 ECET, an ignition systems and airborne electronic equipment specialist November 2005 Sensorex, a sensors and electronics specialist July 2005 Avery-Hardoll, a manufacturer of aerospace ground refuelling equipment December 2004 Wilcoxon Research, a specialist sensors manufacturer December 2004 Schreiner Canada, unmanned aerial and marine targetry August 2004 The design and manufacturing division of Dunlop Standard Aerospace. Dunlop. Aerospace Braking Systems and related aftermarket services (Dunlop Aerospace Services) form a new, stand-alone operating unit. Dunlop Ice Protection & Composites, Dunlop Precision Rubber (merging with Bestobell Aviation to become Dunlop Bestobell, now Meggitt Polymer Solutions), Dunlop Equipment, Serck Aviation and Stewart Warner South Wind are integrated into Meggitt's then aerospace equipment division December 2003 Western Design, a designer and manufacturer of automated ammunition-handling equipment and environmental control systems December 2003 Howden Airdynamics, a designer and manufacturer of pumps, fans and compressors for ground, naval and aircraft applications March 2003 Caswell International, a supplier of ground-based live fire training equipment systems January 2003 General Electric turbine clearance control valve product line November 2002 Lodge (ex-Smith's Group plc) temperature and speed sensors July 2002 BAE Systems' military air data and data acquisition computers Kaman Aerospace Corporation high integrity radio frequency April 2002 cables

# 10 Disposals

August 2019 MEMS facility in Sunnyvale, California, and the Endevco non- aerospace test and measurement sensor product lines from our	
Orange County, California, facility.	
April 2019 Meggitt (France) SAS (ignition systems, indicators and sensors for aerospace markets)	
April 2018 Precision Micro (specialists in photo etching for automotive and medical sectors)	
March 2018 Linear Motion LLC (ball screws for aerospace, defence, medical a satellite applications)	nd
January 2018 Aviation Mobility (accessibility equipment for aviation industry)	
June 2017 Piher Sensors & Controls (position sensors and controls for industrial land vehicles and appliances)	,
June 2017 Piezotech, LLC (ultrasonic sensing systems)	

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June 2017 Meggitt (Maryland), Inc (vibration sensors for industrial applications)

December 2016 Meggitt Target Systems (unmanned air, land and surface vehicle

targets)

December 2013 Sunbank (connector components)

May 2013 Meggitt (Addison), Inc (compact GA air conditioning systems)

January 2008 S-TEC

May 2003 Meggitt Petroleum Systems

November 2002 Wayfarer Transit Systems and Systech Solutions (ticketing systems)

May 2002 Silicone Engineering (non-core polymers for white goods)

May 2002 Meggitt Defense Systems, Texas (non-core unmanned air vehicles)

December 2001 Meggitt Electronic Components (non-core passive electronics)

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## 11 Board of Directors

01 Sir Nigel Rudd DL\* (Chairman) 06 Nancy Gioia\*

02 Tony Wood (Chief Executive) 07 Alison Goligher OBE\*

03 Guy Berruyer\* 08 Guy Hachey\*

04 Louisa Burdett (Chief Financial Officer) 09 Caroline Silver\*

05 Colin Day\* \* Non-executive

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# 12 History

1947 Founded in Halifax as a lathe manufacturer.

1947 Became a quoted public company.

1964 Acquired Meggitt Engineering Ltd, a general light engineering company

based in Bournemouth.

Management buy-in to build a geographically diverse, international

engineering company serving speciality sectors in aerospace, controls,

electronics and energy.

1995 Reorganised to focus on core business of aerospace, defence systems and

electronics.

1998 Acquired Vibro-Meter, significantly increasing its core capability in engine

condition monitoring and diagnostics.

1999 Acquired California-based Whittaker Corporation. Increased Meggitt

presence in aftermarket business (repair and overhaul of aircraft components), significantly increasing the volume of business with major

aircraft original equipment manufacturers and their customers.

2000-2009 Series of acquisitions and disposals to enhance core businesses and improve

the operations mix between the UK and US and civil and military, and original

equipment and aftermarket applications including the design and

manufacturing division of Dunlop Standard Aerospace and K&F Industries

Holdings Inc (see 06 and 07).

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2010	Reorganised under five new divisions focusing on polymers and composites, control systems, aircraft braking systems, sensing systems and other technologically distinct businesses. Business units became facilities reporting to divisional management. Business units in the Meggitt Equipment Group continued to trade independently as part of the new structure and benefit from a range of cross-group programmes and functions.
2011	Acquired the Pacific Scientific division of Danaher bringing new capabilities in power and motion and a strong aftermarket model.
2015	Acquired the Advanced Composites businesses of Cobham PLC and EDAC, complementing and enhancing our capabilities in military and commercial airframe and engine composites.
2019	Reorganised our five capability-focused divisions into four new customeraligned divisions specialising in Airframe Systems, Engine Systems, Energy & Equipment and Services & Support.

For further information on Meggitt's history, please visit  $\underline{www.meggitt.com}$ .

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