

Certificate of Approval

This is to certify that the Management System of:

Ricardo plc

Shoreham Technical Centre, Shoreham by Sea, BN43 5FG, United Kingdom

has been approved by LRQA to the following standards:

ISO 50001:2018

Approval number(s): ISO 50001 – 00042539

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

The scope of this approval is applicable to:

Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories

Marta Escudero

Regional Director, United Kingdom and Americas (UKAM)

Issued by: LRQA Limited

Certificate Schedule

Location	Activities
<p>Head Office Shoreham Technical Centre, Shoreham by Sea, BN43 5FG, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Automotive and Industrial Via Giovanni Pascoli 47, 47853 Coriano (RN), Italy</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Automotive and Industrial The Grain Store, Holmsted Farm, Staplefield Road, Cuckfield, Haywards Heath, RH17 5JF, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Automotive and Industrial Office-306 3rd Floor, Corporate ONE BANI Tower, G7QQ+J6C, Jasola, 110025, Delhi, India</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Automotive and Industrial Radford Semele, Midlands Technical Centre, Southam Road, Leamington Spa, CV31 1FQ, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Automotive and Industrial 355 Peel, suite 803, Griffintown, Montreal, Canada</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>

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Location	Activities
<p>Ricardo Automotive and Industrial Level 15 1 First Avenue, 2A Dataran Bandar Utama Damansara, Selangor Darul Ehsan, 47800 Petaling Jaya, Malaysia</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Automotive and Industrial Ricardo Prague sro, Palac Karlin, Thamova 11-13, 186 00 Praha, Czech Republic</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Automotive and Industrial 40000 Ricardo Drive, Van Buren Township, MI, 48111, United States</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Automotive and Industrial Shin Yokohama Square Building 14F, 2-3-12 Shin Yokohama, Kohoku-ku, Yokohama-shi, Kanagawa 222-0033, Japan</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Automotive and Industrial 2738 Loker Ave. West, Carlsbad, CA, 92010, United States</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Automotive and Industrial Gueglingstrasse 66, Schwaebisch Gmuend, 73529, Germany</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>



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Location	Activities
Ricardo Defense Inc 175 Cremona Drive, Goleta, California, CA, 93117, United States	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories
Ricardo Defense Inc 44425 Pecan Court, County of St Mary's, California, CA, United States	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories
Ricardo Defense Inc 1 Suite 320, 3rd floor, 150 West Park Loop, Huntsville, AL, United States	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories
Ricardo Defense Inc 35860 Beattie Drive, Sterling Heights, Michigan, United States	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories
Ricardo Defense Inc Suite 100, 340 East Big Beaver Rd, Troy, MI, 48083, United States	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories
Ricardo Energy & Environment The Gemini Building, Fermi Avenue, Harwell, Didcot, OX11 0QR, United Kingdom	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories



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<p>Ricardo Energy and Environment Al Jazira Sports Club Building, West Wing, Abu Dhabi, United Arab Emirates</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment Shop 153-18S, Kambri, Cultural Centre 153 Cnr Kingsley Street & Tangney Road, Australian National University, Acton, ACT 2601, Australia</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment Level G, 101 Flinders Street, Adelaide, SA 5000, Australia</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment 4th Floor, PANORMOU 70-72, 11523 Athens, Greece</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment Office 326, CoWoS, Valuedfriends Workspaces GmbH, Kolonnenstrasse 8, 10827 Berlin, Germany</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment 4770 Baseline Road Suite, Suite 200, Boulder, CO, 80303, United States</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>



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<p>Ricardo Energy and Environment 1st Floor LH Suite 21 Prince Street Bristol 21 Prince Street, Bristol, BS1 4PH, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment 18 Blythswood Square, Glasgow, G2 4BG, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment Unit 50, The Surrey Technology Centre, Guildford, GU2 7XH, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment 9th Floor 5th Street, Sandton, Johannesburg, 2196, South Africa</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment 2nd Floor, 30 Eastbourne Terrace, Paddington, London, W2 6LG, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment Unit 21, Astra Business Park, Manchester, M17 1SD, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>



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<p>Ricardo Energy and Environment 1f South Wing Suite 1, Bright Building, Pencroft Way, Manchester, M15 5GS, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment Level 17, 41 Exhibition Street, Melbourne, VIC 3000, Australia</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment Level 4, 360 Collins Street, Melbourne, VIC 3000, Australia</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment Ludbridge Mill, Reading Road, East Hendred, Wantage, Oxon, OX12 8LN, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment Units 5 & 6/19, Essex Street, City of Fremantle, Perth, 6061, Australia</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Energy and Environment Room E Scale Business Solutions, 3412 Ath Thumamah Road, 6628, Riyadh, 13315, Saudi Arabia</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>



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<p>Ricardo Energy and Environment Office F10 & F11, Redlands Bus Centre, 3-5 Tapton House Rd, Sheffield, S10 5BY, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Performance Products Ltd Midlands Technical Centre, Southam Road, Leamington Spa, CV31 1FQ, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Performance Products Ltd Shoreham Technical Centre, Shoreham by Sea, BN43 5FG, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Rail WeWork, 260 Queen Street, Brisbane, 4000, Australia</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Rail Hoffdingsvej 34, Valby, DK-2500 Copenhagen, Denmark</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Rail 5 Pinnacle Way, Pride Park, Derby, DE24 8ZS, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>

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<p>Ricardo Rail Palm Tower, Block B, 15th Floor, P.O Box 26600, West Bay, Doha, Qatar</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Rail Business Village, 7th Floor, 129-621 Port Saeed, Dubai, United Arab Emirates</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Rail No.7, Zhanqian N. 1st Rd., Zuoying Dist., Kaohsiung City, Taiwan</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Rail Agustín de Foxa, 29. 9th Floor, 28036 Madrid, Spain</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Rail Office 1931 IWG Regus, 19/FMarco Polo Ortigas Manilla, Sapphire Road, Ortigas Center, 1600 Pasig, Philippines</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>
<p>Ricardo Rail Unit 27K, Preston Technology Management Centre, Marsh Lane, Preston, PR1 8UD, United Kingdom</p>	<p>ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories</p>

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Location	Activities
Ricardo Rail 40, Teheran-ro 28-gil, Gangnam-gu, Seoul 06223, Republic of Korea	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories
Ricardo Rail Suite 2.01, Level 2, Tower B, The Zenith, 821 Pacific Highway, Chatswood, Sydney, 2067, NSW, Australia	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories
Ricardo Rail 11F-2 (Westside), No. 51, Hengyang Road, Zhongzheng Dist., Taipei City, Taiwan (R.O.C.) 10045, Taiwan	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories
Ricardo Rail 9F, No.391, Fuxing Rd, Taoyuan Dist, Taoyuan City 330, Taiwan	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories
Ricardo Rail Daalsesingel 51-71, 3511 SW Utrecht, The Netherlands	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories
Ricardo Rail Office 12101, WeWork 10/F, YF Life Tower, 33 Lockhart Road, Wanchai, Hong Kong	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories

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Ricardo Rail Harewood House, 5 St Mary's Court, Blossom Street, York, YO24 1AQ, United Kingdom	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories
Ricardo Rail WeWork Office 14-146, 71 Robinson Rd, #14-01 068895, Singapore	ISO 50001:2018 Operations of Office Buildings, Vehicle Build Workshops, Transmission Manufacturing Test and Assembly, Prototype Vehicle Build, Engine Assembly and Testing, and Measurement Laboratories
