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The definitive M&E price book with additions to the measured works, updates to approximate estimating and new engineering features. Spon's Mechanical and Electrical Services Price Book 2022 continues to be the most comprehensive and best annual services engineering price book currently available, providing detailed pricing information across the full range of mechanical and electrical services, together with higher-level costs for a diverse range of systems and different building applications. Use the access code inside the front cover of the book to get set up with an ebook of this 2022 edition available for access and use until the end of December 2022. All the standard features you have come to expect from SPON'S are also included, considered essential for today's services cost professional: detailed materials prices, labour constants, labour costs and measured work prices for mechanical and electrical works, from above ground drainage to automatic transfer switches, and circuit breakers to sprinkler systems an extensive Approximate Estimating section for quick, rule-of-thumb pricing of mechanical or electrical installations, together with elemental services costs for different types and standard of buildings full details of wage rates, daywork and cost

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indices on a national and Central London basis. an overhauled index and guidance notes updates, free of charge, twice a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk

Have you ever had to provide accurate costs for a new supermarket or a pub "just an idea...a ballpark figure..." ? The earlier a pricing decision has to be made, the more difficult it is to estimate the cost and the more likely the design and the specs are to change. And yet a rough-and-ready estimate is more likely to get set in stone. Spon's First Stage Estimating Handbook is the only comprehensive and reliable source of first stage estimating costs. Covering the whole spectrum of building costs and a wide range of related M&E work and landscaping work, vital cost data is presented as: costs per square metre elemental cost analyses principal rates composite rates. Compact and clear, Spon's First Stage Estimating Handbook is ideal for those key early meetings with clients. And with additional sections on whole life costing and general information, this is an essential reference for all construction professionals and clients making early judgements on the viability of new projects.

UK construction supply chain firms face an array of risks going into 2021 as fallout from the COVID-19 crisis – not least the effect of social distancing rules on site productivity. But underlying construction demand remains broadly in place for the expected medium-term. SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2021, compiled by AECOM, still provides the most accurate, detailed and professionally relevant

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construction price information for the UK. Its unique Tender Index , updated through the year (2015 = 100), gives an ongoing reality check and allows you to adjust for changing market conditions. Although it suits a wide range of project sizes, this is the only price book which sets out a detailed cost base for contracts exceeding £4,000,000 in value. Use the access code inside the front cover of the book to get set up with an ebook of this 2021 edition on the VitalSource® Bookshelf platform, available for access and use until the end of December 2021. As well as an overhaul of prices, several new items have been added, including: a London fringe office cost model a higher education refurbishment cost model Pecalil® permanent formwork and an expanded range of cast iron rainwater products along with the standard features you have come to expect from SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK: 20,000 prices for the most frequently specified items, the majority with labour constants and detailed build-ups Hundreds of alternative materials prices for the more unusual items Detailed guidance on wage rates, daywork, cost limits and allowances, property insurance and professional fees, plus useful formulae, design criteria and trade association addresses Updates, free of charge, twice a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk

Strong output demand over the last year has stretched the industry. The issues are being felt by all firms across the delivery chain – from clients to subcontractors.

Capacity constraints almost always manifest themselves in prices. Increased tender

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prices have become the primary symptom of these supply-side issues. The main driver of new work output growth over the last 18 months is slowing. Both the public and private housing sectors are quickly reversing all of their recent upward trends when looked at on a yearly growth basis. The counterpoint to this is that the yearly growth figures are still positive, meaning that new work continues to flow. SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2016, compiled by AECOM, still provides the most accurate, detailed and professionally relevant construction price information for the UK. Its unique Tender Index, updated through the year, gives an ongoing reality check and allows you to adjust for changing market conditions. Although it suits a wide range of project sizes, this is the only price book which sets out a detailed cost base for contracts exceeding £3,500,000 in value. Use the access code inside the front cover of the book to get set up with internet access to this 2016 edition until the end of December 2016. We now provide SPON'S Online, a versatile and powerful online data viewing package -- online or offline on your PC/Mac, smartphone or tablet. You can browse and search the content across all the price books you own, make notes and highlights and share these notes with other users. Major changes have been made to this 141st edition: For the first time, plant prices have been separated out in the measured works section. As well as an overhaul of prices, several new items have been added, including: Two new cost models for a stand-alone private patient ward within a larger hospital complex, and an extra care home An expanded range of ACO

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drainage channels Precast concrete 'Perfect Manholes' by CPM Shower-wall laminated panelling walling An expanded range of architectural pre-finished blockwork ... along with the standard features you have come to expect from SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK: 20,000 prices for the most frequently specified items, the majority with labour constants and detailed build-ups. Hundreds of alternative materials prices for the more unusual items. Detailed guidance on wage rates, daywork, cost limits and allowances, property insurance and professional fees, plus useful formulae, design criteria and trade association addresses. Updated, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk Other titles in the Spon's Price Book Series: SPON'S MECHANICAL AND ELECTRICAL SERVICES PRICE BOOK 2016 SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK 2016 SPON'S EXTERNAL WORKS AND LANDSCAPE PRICE BOOK 2016

An essential reference for everybody concerned with the calculation of costs of mechanical and electrical works. Cost Engineer The construction sector is improving. Will skills shortages derail the upturn? Spon's Mechanical and Electrical Services Price Book 2016

Spon's Mechanical and Electrical Services Price Book 2019 continues to be the most comprehensive and best annual services engineering price book currently available, providing detailed pricing information across the full range of mechanical and electrical

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services, together with higher-level costs for a diverse range of systems and different building applications. Use the access code inside the front cover of the book to get set up with an ebook of this 2019 edition on the VitalSource® Bookshelf platform. This versatile and powerful online data viewing package is available for use until the end of December 2019. In this 50th edition we have significantly updated the engineering features section and added a section on smart building technology. Along with the following new and significantly developed items: Tuneable white luminaires Wireless lighting control PV cells Battery storage systems All the standard features you have come to expect from SPON'S MECHANICAL AND ELECTRICAL SERVICES PRICE BOOK are also included, considered essential for today's services cost professional: detailed materials prices, labour constants, labour costs and measured work prices for mechanical and electrical works, from above ground drainage to automatic transfer switches, and circuit breakers to sprinkler systems an extensive Approximate Estimating section for quick, rule-of-thumb pricing of mechanical or electrical installations, together with elemental services costs for different types and standard of buildings full details of wage rates, daywork and cost indices on a national and Central London basis an overhauled index and guidance notes updates, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk ~Spon's Mechanical and Electrical Services Price Book 2019 continues to be the most comprehensive and best annual services engineering price

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book currently available, providing detailed pricing information across the full range of mechanical and electrical services, together with higher-level costs for a diverse range of systems and different building applications. Use the access code inside the front cover of the book to get set up with a VitalSource® ebook of this 2019 edition. This versatile and powerful online data viewing package is available for use until the end of December 2019. In this 50th edition we have significantly updated the engineering features section and added a section on smart building technology. Along with the following new and significantly developed items: - Tuneable white luminaires - Wireless lighting control - PV cells - Battery storage systems All the standard features you have come to expect from SPON'S MECHANICAL AND ELECTRICAL SERVICES PRICE BOOK are also included, considered essential for today's services cost professional: • detailed materials prices, labour constants, labour costs and measured work prices for mechanical and electrical works, from above ground drainage to automatic transfer switches, and circuit breakers to sprinkler systems • an extensive Approximate Estimating section for quick, rule-of-thumb pricing of mechanical or electrical installations, together with elemental services costs for different types and standard of buildings • full details of wage rates, daywork and cost indices on a national and Central London basis. • an overhauled index and guidance notes • updates, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk

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Spon's Estimating Costs Guide to Electrical Works Unit Rates and Project Costs Spon Press

SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK 2019 from AECOM gives costs for both general and civil engineering works and highway works. It provides a full breakdown of labour, plant and material elements, with labour rates updated. cost guidance is given at a number of levels, varying from the more general functional costs to detailed resource costing, and in conformity with CESMM4 and the Highways Method of Measurement. In this 33rd edition: More emphasis has been given to sampling from major projects – of £20-£100m in value with no acute access or ground condition problems and run under NEC contracts. The rates, prices and outputs in the Resources and Unit Cost calculations include allowances for wastage, normal productivity and efficiency. Plus prices from specialists More research with contractors and suppliers allows for a more confident forecast in a volatile market – but outliers have been largely excluded. Prices are based more strongly on global structural steel grades and rates and extrapolated accordingly. Pipe lining is now included, as being more effective and economical than replacement of pipes in maintenance drainage works. Consideration is given to the possible scarcity of skilled labour. Use the access code inside the front cover of the book to get set up with an ebook of this 2019 edition on the VitalSource® Bookshelf platform. This versatile and powerful online data viewing package is available for use until the end of December 2019. ... along with the standard

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features you have come to expect from SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK: for budgeting: estimating principles, on-cost advice, method-related charges for resource costings: labour costs, plant costs, material prices for rapid cost information: approximate estimates, dayworks, cost indices for plant and labour allowances: production rates, outputs, man hour constants for detailed pricing: unit costs with full breakdown, or specialist prices, with advice on item coverage, waste allowances and comparative costs for incidental advice: tables and formulae, technical information, professional advice updates, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk

In 1999, Texas passed a landmark clean energy law, beginning a groundswell of new policies that promised to make the US a world leader in renewable energy. As Leah Stokes shows in *Short Circuiting Policy*, however, that policy did not lead to momentum in Texas, which failed to implement its solar laws or clean up its electricity system. Examining clean energy laws in Texas, Kansas, Arizona, and Ohio over a thirty-year time frame, Stokes argues that organized combat between advocate and opponent interest groups is central to explaining why states are not on track to address the climate crisis. She tells the political history of our energy institutions, explaining how fossil fuel companies and electric

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utilities have promoted climate denial and delay. Stokes further explains the limits of policy feedback theory, showing the ways that interest groups drive retrenchment through lobbying, public opinion, political parties and the courts. More than a history of renewable energy policy in modern America, Short Circuiting Policy offers a bold new argument about how the policy process works, and why seeming victories can turn into losses when the opposition has enough resources to roll back laws.

"An essential reference for everybody concerned with the calculation of costs of mechanical and electrical works." – Cost Engineer Market conditions remain unfavourable and construction output and orders obtained by contractors continue to decline. The costs of some items have increased, but profits and overheads have fallen and are expected to fall further in the coming year. But price changes have varied across the industry. Spon's Mechanical and Electrical Services Price Book 2010 continues to be the most comprehensive and best annual services engineering price book currently available, providing detailed pricing information across the full range of mechanical and electrical services, together with higher level costs for a diverse range of systems and different building applications. This year's book provides an overhaul of the unit rates and composite rates. It contains a new section on the Façade System in engineering

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features which explains the relationship between the building envelope and the provision of cooling And the new series of topical features continues, focusing on subjects which affect M&E costs within buildings; and design schematics are provided for several M&E services. All the standard features you have come to expect from Spon's M & E are also included, considered essential for today's services cost professional: Detailed materials prices, labour constants, labour costs and measured work prices for mechanical and electrical works, from above ground drainage to automatic transfer switches, and circuit breakers to sprinkler systems. An extensive Approximate Estimating section for quick, rule-of-thumb pricing of mechanical or electrical installations, together with elemental services costs for different types and standard of buildings. Full details of wage rates, daywork and cost indices on a national and Central London basis. An overhauled index and guidance notes. Updated, free of charge, every four months – see enclosed card to register. Updates are available online at www.pricebooks.co.uk Buyers of this 2010 edition can make a free internet download of Spon's Mechanical & Electrical Services price data data, which will run to the end of 2010 and: produce estimate and tender documents generate priced or unpriced schedules adjust rates and data and enter rogue items export schedules into Excel carry out an index search This year, for the first time, the download

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includes a versatile and powerful ebook.

Spon's Mechanical and Electrical Services Price Book 2018 continues to be the most comprehensive and best annual services engineering price book currently available, providing detailed pricing information across the full range of mechanical and electrical services, together with higher-level costs for a diverse range of systems and different building applications. Use the access code inside the front cover of the book to get set up with a VitalSource® ebook of this 2018 edition. This versatile and powerful online data viewing package is available for use until the end of December 2018. With new cost models for a gym, a spa and a bar, this edition also includes the following new items: Solar thermal panels A physical access control barrier system A security revolving door And significant developments to Calorifiers Commercial Boilers Combined heating and power systems Heat exchangers All the standard features you have come to expect from SPON'S MECHANICAL AND ELECTRICAL SERVICES PRICE BOOK are also included, considered essential for today's services cost professional: detailed materials prices, labour constants, labour costs and measured work prices for mechanical and electrical works, from above ground drainage to automatic transfer switches, and circuit breakers to sprinkler systems an extensive Approximate Estimating section for quick, rule-of-thumb pricing of

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mechanical or electrical installations, together with elemental services costs for different types and standard of buildings full details of wage rates, daywork and cost indices on a national and Central London basis. an overhauled index and guidance notes updates, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk

The definitive M&E price book with additions to the measured works, updates to approximate estimating and new engineering features. Spon's Mechanical and Electrical Services Price Book 2021 continues to be the most comprehensive and best annual services engineering price book currently available, providing detailed pricing information across the full range of mechanical and electrical services, together with higher-level costs for a diverse range of systems and different building applications. Use the access code inside the front cover of the book to get set up with an ebook of this 2021 edition on the VitalSource®

Bookshelf platform, available for access and use until the end of December 2021.

In this year's book:

- An overhaul of the uninterruptible power supply section, and revised costs for air source heat pumps
- new items including: – HDPE pipe for above ground drainage systems – fire protection mist systems – electric vehicle chargers
- new engineering features: data centre cooling, later living developments, residential heat pumps, large scale heat pumps, and local energy

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networks • Articles on intelligent buildings to boost productivity efficiency and well being, ways data analytics is transforming BIM, digital delivery and the design process, and coronavirus and the future of work All the standard features you have come to expect from Spon's Mechanical and Electrical Services Price Book are also included, considered essential for today's services cost professional: • detailed materials prices, labour constants, labour costs and measured work prices for mechanical and electrical works, from above ground drainage to automatic transfer switches, and circuit breakers to sprinkler systems • an extensive Approximate Estimating section for quick, rule-of-thumb pricing of mechanical or electrical installations, together with elemental services costs for different types and standard of buildings • full details of wage rates, daywork and cost indices on a national and Central London basis. • an overhauled index and guidance notes • updates, free of charge, twice a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk All the cost data you need to keep your estimating accurate, competitive and profitable. Do you work on jobs between £50 and £50,000? - Then this book is for you. Specially written for contractors and small businesses carrying out small works, Spon's Estimating Cost Guide to Plumbing and Heating contains accurate information on thousands of rates each broken down to labour, material

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overheads and profit. The first book to include typical project costs for: rainwater goods installations bathrooms external waste systems central heating systems hot and cold water systems.

Spon's Civil Engineering and Highway Works Price Book 2009 is more than just a price book. It provides a comprehensive work manual that many in the civil engineering, surveying and construction business will find it hard to work without. It gives costs for both general and civil engineering works and highway works, and shows a full breakdown of labour, plant and material elements, with labour rates updated in line with the latest CIJC wage agreement. This 23rd edition, in its easy to read format, incorporates a general review throughout, including updates to the Capital Allowances and VAT and Construction sections to reflect the latest government legislation. This year, for the first time, the download includes a versatile and powerful ebook.

Captures real material, plant and labour costs from the UK's major live rail, civils and highways projects. SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK 2022 from AECOM gives a full breakdown of labour, plant and material elements, with labour rates updated. Cost guidance is given at a number of levels, varying from the more general functional costs to detailed resource costing; and in conformity with CESMM4 and the Highways Method of

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Measurement, and updated to the CIJC wage agreement. Use the access code inside the front cover of the book to get set up with an ebook of this 2022 edition on the VitalSource(R) Bookshelf platform, available for access and use until the end of December 2022. ... along with the standard features you have come to expect from SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK: -for budgeting: estimating principles, on-cost advice, method-related charges -for resource costings: labour costs, plant costs, material prices -for rapid cost information: approximate estimates, dayworks, cost indices -for plant and labour allowances: production rates, outputs, man hour constants -for detailed pricing: unit costs with full breakdown, or specialist prices, with advice on item coverage, waste allowances and comparative costs -for incidental advice: tables and formulae, technical information, professional advice -updates, free of charge, twice a year - see inside for registration details. Updates are available online at www.pricebooks.co.uk

Spon's European Construction Costs Handbook is the only book of its kind - a unique compilation of cost data on the single most important construction market in the world. This updated edition expands its coverage of countries and once again gives details of select difficult-to-research markets in Eastern Europe as well as Western Europe, North and South. The book includes: * key data on the

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main economic and construction indicators as well as on geography and population * an outline of the national construction industry covering structure, tendering and contract procedures, liability and insurance and regulation and standards. * labour and materials cost data * measured rates (in local currency) for up to 60 or so construction work items * approximate estimating costs for a range of building types * regional variation percentages, tax details, construction cost and retail price indices. Exchange rates with £ sterling, euro and US\$ * addresses of authorities, professional institutions, trade associations etc. To facilitate country to country comparisons the book also includes a Comparative Data section, where figures from the individual country chapters are grouped in tables on economy, geography, construction output, input costs per square metre for offices, warehouses and housing. Figures here are given in national currency, sterling, US dollars and Euros.

‘An essential reference for everybody concerned with the calculation of costs of mechanical and electrical works.’ – Cost Engineer ...riding with the UK construction industry. Spon's Mechanical and Electrical Services Price Book 2017 continues to be the most comprehensive and best annual services engineering price book currently available, providing detailed pricing information across the full range of mechanical and electrical services, together with higher-level costs for a diverse range of systems and

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different building applications. Use the access code inside the front cover of the book to get set up with internet access to this 2017 edition until the end of December 2017. We now provide a VitalSource® ebook, giving a versatile and powerful online data viewing package. Using a combination of NRM1 and NRM2 as the measurement standards, this edition includes the following new and significantly developed items: WiFi equipment FP 600 cable Wireless fire alarms and a much enhanced clock section All the standard features you have come to expect from SPON'S MECHANICAL AND ELECTRICAL SERVICES PRICE BOOK are also included, considered essential for today's services cost professional: detailed materials prices, labour constants, labour costs and measured work prices for mechanical and electrical works, from above ground drainage to automatic transfer switches, and circuit breakers to sprinkler systems an extensive Approximate Estimating section for quick, rule-of-thumb pricing of mechanical or electrical installations, together with elemental services costs for different types and standard of buildings full details of wage rates, daywork and cost indices on a national and Central London basis. an overhauled index and guidance notes updated, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk Other titles in the SPON'S Price Book Series SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2017 SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK 2017 SPON'S EXTERNAL WORKS AND LANDSCAPE PRICE BOOK 2017 Price Net: £160.00 (UK only)

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All the cost data you need to keep your estimating accurate, competitive and profitable. Do you work on jobs between £50 and £50,000? Then this book is for you. Specially written for contractors and small businesses carrying out small works, Spon's Estimating Cost Guide to Electrical Works provides accurate information on thousands of rates, each broken down to labour, material overheads and profit for residential, retail and light industrial premises. It is the first book to include typical project costs for new installations, stripping out, rewiring and upgrading for flats and houses. In addition, vital information and advice is given on setting up and running a business, employing staff, tax, VAT and CIS4s. For the cost of approximately two hours of your charge-out rate (or less), this book will help you to: produce estimates faster keep your estimates accurate and competitive run your business more effectively save time.

All the cost data you need to keep your estimating accurate, competitive and profitable. Do you work on jobs between £50 and £50,000? Then this book is for you. Specially written for contractors and small businesses carrying out small works, Spon's Estimating Costs Guide to Electrical Works provides accurate information on thousands of rates, each broken down to labour, material overheads and profit for residential, retail and light industrial premises. It is the first book to include typical project costs for new installations, stripping out, rewiring and upgrading for flats and houses. In addition, vital information and advice is given on setting up and running a business, employing staff, tax, VAT and CIS4's. For the cost of approximately two hours of your charge-out rate

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(or less), this book will help you to: Produce estimates faster Keep your estimates accurate and competitive Run your business more effectively Save time. No matter how big your firm is - from one-man-band to an established business - this book contains valuable commercial and cost information that you can't afford to be without.

Construction prices rose over the last year by 5%, according to AECOM's tender price index, with construction price inflation continuing to run above the long-run average.

The main drivers are rising input costs. Producer price indices have moved up at a clip in recent quarters, with sharp increases in prices for materials and fuels consumed by UK manufacturers. Demand- and supply-side factors make the probability of short-term price falls very slim. SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2018, compiled by AECOM, still provides the most accurate, detailed and professionally relevant construction price information for the UK. Its unique Tender Index, updated through the year, gives an ongoing reality check and allows you to adjust for changing market conditions. Although it suits a wide range of project sizes, this is the only price book which sets out a detailed cost base for contracts exceeding £4,000,000 in value.

Use the access code inside the front cover of the book to get set up with a VitalSource® ebook of this 2018 edition. This versatile and powerful online data viewing package is available for use until the end of December 2018. Major changes have been made to this 143rd edition: New Cost Models for a retail distribution unit, a palliative care unit, and a cinema As well as an overhaul of prices, several new items have been

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added, including: An expanded range of beam & block flooring Rainwater harvesting – with a precast concrete tank A precast concrete flow attenuation system Precast concrete communication boxes ... along with the standard features you have come to expect from SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK: 20,000 prices for the most frequently specified items, the majority with labour constants and detailed build-ups. Hundreds of alternative materials prices for the more unusual items. Detailed guidance on wage rates, daywork, cost limits and allowances, property insurance and professional fees, plus useful formulae, design criteria and trade association addresses. Updates, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk

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doors -- revolving, sliding, and swing An expanded range of industrial shutter doors Industrial docks and shelters An expanded range of aluminium gutters ... along with the standard features you have come to expect from SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK: 20,000 prices for the most frequently specified items, the majority with labour constants and detailed build-ups. Hundreds of alternative materials prices for the more unusual items. Detailed guidance on wage rates, daywork, cost limits and allowances, property insurance and professional fees, plus useful formulae, design criteria and trade association addresses. Updates, free of charge, two or three times a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk

Spon's Asia Pacific Construction Costs Handbook includes construction cost data for 19 countries. This edition has been extended to include Canada and India. The UK is also included, to facilitate comparison with construction costs in Europe. The book includes:

- * key data on the main economic and construction indicators.
- * an outline of the national construction industry, covering structure, tendering and materials cost data
- * labour and materials cost data
- * Measured rates for a range of standard construction work items
- * costs per unit area for a range of building types
- * price index data and exchange rate movements against £ sterling, \$US and Japanese Yen

The book also includes a Comparative Data section to facilitate country-to-country comparisons. Figures from the national sections are grouped in tables according to national

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indicators, construction output, input costs and costs per square metre for factories, offices, warehouses, hospitals, schools, theatres, sports halls, hotels and housing. Spon's Mechanical and Electrical Services Price Book 2005 is still the only annual services engineering price book available anywhere. This annual guide to pricing electrical and mechanical services installation contains material prices, labour elements and measured works prices for mechanical contracts from pipework to ductwork and heating systems to air conditioning. Electrical contacts are also covered, from power supply through to light switches. Updates to the 2005 edition will provide a general review of all sections, include pipe-in-pipe, plastic piping for chilled and heating water, and give an expanded coverage of heat exchanges and condensing boilers. Its free CD This unique handbook collects together a comprehensive and up-to-date range of indices measuring construction costs and price movements. The authors give guidance on the use of the data making this an essential aid to accurate estimating.

SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2020, compiled by AECOM, still provides the most accurate, detailed and professionally relevant construction price information for the UK. Its unique Tender Index, updated through the year (2015 = 100), gives an ongoing reality check and allows you to adjust for changing market conditions. Although it suits a wide range of project sizes, this is the only price book which sets out a detailed cost base for contracts exceeding £4,000,000 in value. Use the access code inside the front cover of the book to get set up with an ebook of this 2020 edition on the VitalSource® Bookshelf platform, available for access and use until the end of December 2020. As well as an overhaul of prices,

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This new edition of Spon's Irish Construction Price Book, edited by Franklin + Andrews, is the only complete, tailored and up-to-date source of cost data for the Irish construction industry.

This price book is an essential aid to profitable contracting for all those operating in Ireland's buoyant construction industry. All the materials costs,

Now in its 41st edition, Spon's External Works and Landscape Price Book 2022 offers the only comprehensive source of information for detailed external works and landscape costs. It covers all the items to be found in hard and soft landscape contracts, and forms an indispensable reference book for quantity surveyors, landscape architects, contractors and local authority managers – essential for compiling estimates, specifications, bills of quantities and works schedules – no matter what the size of the project being undertaken. The 2022 edition includes new stainless-steel products including: ventilation grilles; handrails; LED handrails; in ground power units; stainless steel bollards; stainless steel warning strips and studs and access covers. Also, an extended range of inspection chambers, new podium

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specialist soils and a new formwork system, as well as two new Cost Models, one for podiums and another for landscape maintenance. All the standard features that you expect from SPON'S EXTERNAL WORKS AND LANDSCAPE PRICE BOOK remain: • material and measured work prices covering contract items from preliminaries and site clearance and encompassing the core external works activities with full breakdowns into labour, materials and other components • detailed guidance on wage rates, landscape consultants' fee scales • an extensive Approximate Estimates section for rapid spot estimating • updates, free of charge, twice a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk Use the access code inside the front cover of the book to get set up with an ebook of this 2022 edition on the VitalSource® Bookshelf platform, available for access and use until the end of December 2022.

Specifically written for contractors and small businesses carrying out small works, Spon's Estimating Cost Guide to Roofing contains accurate information on thousands of rates, each broken down to labour, material overheads and profit. This is the first book to include typical project costs for slating and tiling, sheeting, cladding and other coverings, rooflights, underfelt and battens, repairs and alterations, and different sized houses.

Specifically written for contractors and small businesses carrying out small works, this second edition of Spon's Estimating Cost Guide to Small Groundworks, Landscaping Work and Gardening contains accurate information on thousands of rates, each broken down to labour, material overheads and profit. This is the first book to focus on this range of external work, including garden maintenance work on blocks of flats and individual houses, schools and sports fields, garden makeovers, laying patios and paths, small land drainage schemes on

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farmland, and small-scale local authority maintenance work.

As insightful and wise today as it was when originally published in 1954, Jacques Ellul's *The Technological Society* has become a classic in its field, laying the groundwork for all other studies of technology and society that have followed. Ellul offers a penetrating analysis of our technological civilization, showing how technology—which began innocuously enough as a servant of humankind—threatens to overthrow humanity itself in its ongoing creation of an environment that meets its own ends. No conversation about the dangers of technology and its unavoidable effects on society can begin without a careful reading of this book. "A magnificent book . . . He goes through one human activity after another and shows how it has been technicized, rendered efficient, and diminished in the process."—Harper's "One of the most important books of the second half of the twentieth-century. In it, Jacques Ellul convincingly demonstrates that technology, which we continue to conceptualize as the servant of man, will overthrow everything that prevents the internal logic of its development, including humanity itself—unless we take necessary steps to move human society out of the environment that 'technique' is creating to meet its own needs."—The Nation "A description of the way in which technology has become completely autonomous and is in the process of taking over the traditional values of every society without exception, subverting and suppressing these values to produce at last a monolithic world culture in which all non-technological difference and variety are mere appearance."—Los Angeles Free Press

All the cost data you need to keep your estimating accurate, competitive and profitable.

Spon's Mechanical and Electrical Services Price Book 2020 continues to be the most comprehensive and best annual services engineering price book currently available, providing

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detailed pricing information across the full range of mechanical and electrical services, together with higher-level costs for a diverse range of systems and different building applications. Use the access code inside the front cover of the book to get set up with a VitalSource® ebook of this 2020 edition. This versatile and powerful online data viewing package is available for use until the end of December 2020. A number of new engineering features have been added: This year the lighting section has been entirely overhauled to accurately represent the latest industry standards in light fittings. The three exciting areas of development AECOM has this year identified in the MEP sector -- battery storage systems, exposed services and grid decarbonisation. Along with new items including MVHRs, district heating HIUs, and air source heat pumps. All the standard features you have come to expect from SPON'S MECHANICAL AND ELECTRICAL SERVICES PRICE BOOK are also included, considered essential for today's services cost professional: detailed materials prices, labour constants, labour costs and measured work prices for mechanical and electrical works, from above ground drainage to automatic transfer switches, and circuit breakers to sprinkler systems an extensive Approximate Estimating section for quick, rule-of-thumb pricing of mechanical or electrical installations, together with elemental services costs for different types and standard of buildings full details of wage rates, daywork and cost indices on a national and Central London basis. an overhauled index and guidance notes updates, free of charge, twice a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk This handbook has been produced by the European Construction Institute (ECI) Benelux. It is a handbook for use by those engaged in the engineering and construction industries and offers a straightforward system for estimating, progress follow-up and

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administration of the project up to final re-measurement and pricing.

Captures real material, plant and labour costs from the UK's major live rail, civils and highways projects. SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK 2021 from AECOM gives a full breakdown of labour, plant and material elements, with labour rates updated. Cost guidance is given at a number of levels, varying from the more general functional costs to detailed resource costing; and in conformity with CESMM4 and the Highways Method of Measurement, and updated to the CIJC wage agreement. This 35th edition gives more items on shafts, tunnelling, drainage and water proofing – covering some brand new materials and methods. Notes have been added to tunnelling, viaducts, D-walls and piling under the output section. The book partially reflects costs and new ways of working resulting from the Covid-19 pandemic. Use the access code inside the front cover of the book to get set up with an ebook of this 2021 edition on the VitalSource® Bookshelf platform, available for access and use until the end of December 2021. ... along with the standard features you have come to expect from SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK: for budgeting: estimating principles, on-cost advice, method-related charges for resource costings: labour costs, plant costs, material prices for rapid cost information: approximate estimates, dayworks, cost indices for plant and labour allowances: production rates, outputs, man hour constants for detailed pricing: unit costs with full breakdown, or specialist prices, with advice on item coverage, waste allowances and

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comparative costs for incidental advice: tables and formulae, technical information, professional advice updates, free of charge, twice a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk

Especially written for contractors and small businesses carrying out small works, Spon's House Improvement Price Guide contains accurate information on thousands of rates, each broken down to labour, material overheads and profit.

Spon's Mechanical and Electrical Services Price Book 2009 continues to be the most comprehensive and best annual services engineering price book currently available. Prices have been overhauled in line with buoyant market conditions. A new infrastructure section includes typical connection scenarios and costs. Extensive revisions have been made to t

Now in its 40th edition, Spon's External Works and Landscape Price Book 2021 offers the only comprehensive source of information for detailed external works and landscape costs. It covers all the items to be found in hard and soft landscape contracts, and forms an indispensable reference book for quantity surveyors, landscape architects, contractors and local authority managers – essential for compiling estimates, specifications, bills of quantities and works schedules – no matter what the size of the project being undertaken. Use the access code inside the front cover of the book to get set up with an ebook of this 2021 edition on the VitalSource® Bookshelf platform, available for access and use until the end of December 2021. This NRM edition

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provides a revised and updated street furniture section. It also includes several new items: Kinley systems – Metal edgings and systems for landscapes and podiums New cost evaluations of water features Stainless steel landscape channel drainage All the standard features that you expect from SPON'S EXTERNAL WORKS AND LANDSCAPE PRICE BOOK remain:

- material and measured work prices covering contract items from preliminaries and site clearance and encompassing the core external works activities with full breakdowns into labour, materials and other components
- detailed guidance on wage rates, landscape consultants' fee scales
- an extensive Approximate Estimates section for rapid spot estimating
- updates, free of charge, twice a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk

Over £6 billion is scheduled for investment in the UK's railway infrastructure over the next few years, with £1.2 billion committed to enhancement projects, £1.3 billion to infrastructure maintenance and £1.2 billion on track renewals. Significant investment is also planned in signalling, telecommunications, electrification, stations and depot buildings. Bidding for, winning and completing this work requires an accurate knowledge of the costs, work and resources involved. Spon's Railways Construction Price Book provides that knowledge. Any company looking to participate in the regeneration of the UK's railway network, will find the guidance provided here an essential strategic asset. Compiled from years of specialist experience, this book

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provides an understanding of the key drivers and components that affect the cost of railway projects. The first edition rapidly became essential reading for designers, engineers, surveyors, project managers, contractors and all those involved in the railway industry. This improved and extended second edition is destined to take its place.

A range of factors are all combining to propel input cost inflation. Higher international logistics costs, returning demand from industry workload, and higher global metals prices are some of the ingredients to quicker building cost inflation. Whilst some EU materials exporters to the UK are adjusting to Brexit, other EU exporters — initially smaller or specialist firms hit proportionally harder — are now deciding not to supply the UK at all, because the additional red tape involved makes it not commercially viable. If this trend replicates across the whole EU to UK supply chain, visible disruption and higher prices are likely until other sources of supply begin to increase in volume and step in to address these supply issues. Among other exporters continuing to supply the UK, significant price increases are being applied to cover the permanent Brexit non-tariff barriers and additional administrative processes. SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2022, compiled by AECOM, still provides the most accurate, detailed and professionally relevant construction price information for the UK. Its unique Tender Index, updated through the year (2015 = 100), gives an ongoing reality check and allows you to adjust for changing market conditions. Although it suits

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a wide range of project sizes, this is the only price book which sets out a detailed cost base for contracts exceeding £4,000,000 in value. Use the access code inside the front cover of the book to get set up with an ebook of this 2022 edition on the VitalSource® Bookshelf platform, available for access and use until the end of December 2022. As well as an overhaul of prices, 145 new items have been added including: Two new Cost Models for school refurbishment Primary Healthcare Fit-Out Plus, expanded range of cast iron rainwater goods expanded range of matwells expanded range of vinyl floor finishes Ecotherm insulation Along with the standard features you have come to expect from SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK: 20,000 prices for the most frequently specified items, the majority with labour constants and detailed build-ups Hundreds of alternative materials prices for the more unusual items Detailed guidance on wage rates, daywork, cost limits and allowances, property insurance and professional fees, plus useful formulae, design criteria and trade association addresses Updates, free of charge, twice a year – see inside for registration details. Updates are available online at www.pricebooks.co.uk

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