

## Innovation and R&D in the Black Country (November 2024)

Innovation and Research & Development (R&D) are often difficult to accurately define and measure within a business base, but using data that is available this briefing note highlights key data and challenges related to innovation & R&D in the Black Country area.

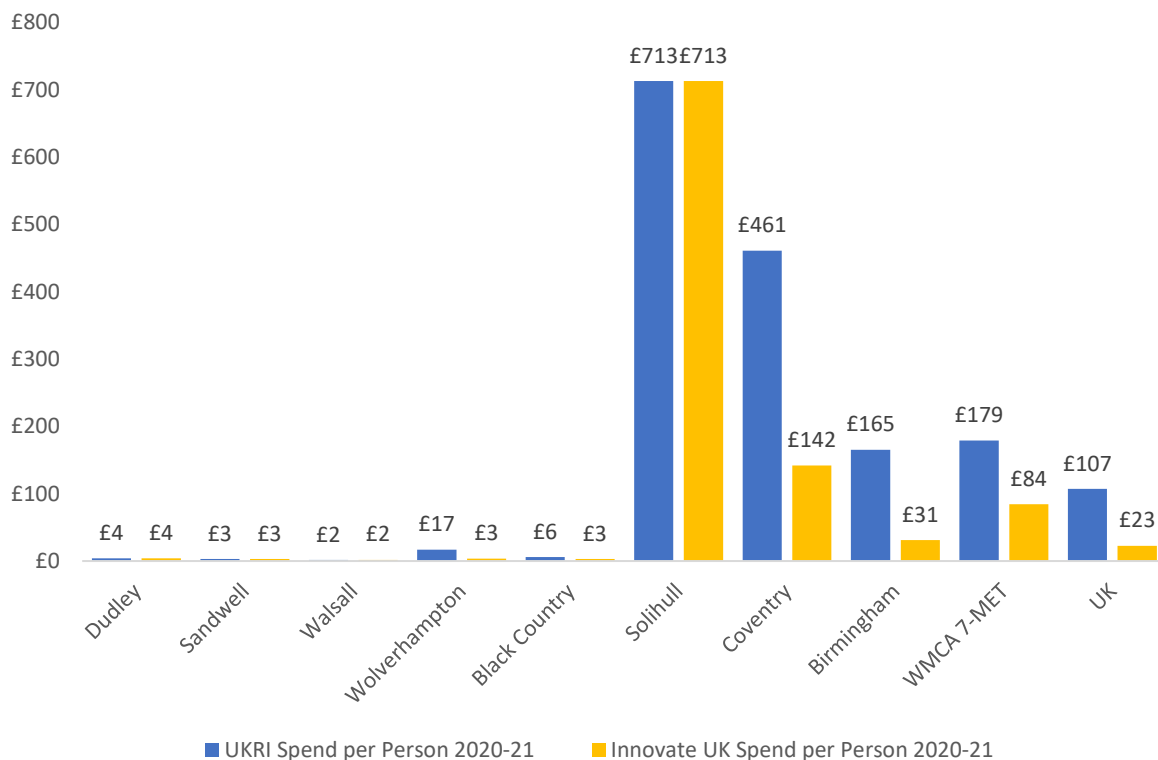
### Baseline Data

There is limited localised data related to innovation and R&D spend in the UK, however two main sources provide useful insight into government-led R&D and innovation spending at a local level:

- Innovate UK publishes all details of its funded projects on an ongoing basis, going back to 2004: <https://www.ukri.org/publications/innovate-uk-funded-projects-since-2004/>
- UK Research and Innovation (UKRI), covering Innovate UK, Research Councils and Research England, published data related to the geographical distribution of its funding (between 2017 and 2021), including local authority level data for 2020 to 2021: <https://www.ukri.org/what-we-do/what-we-have-funded/geographical-distribution-of-funding/>

The UKRI release demonstrates the stark gap between the Black Country and regional / national averages when it comes to investment in R&D and innovation, albeit only taking account of 1 year of data (2020-21):

**Figure 1: UKRI & Innovate UK spend per person, 2020-21**



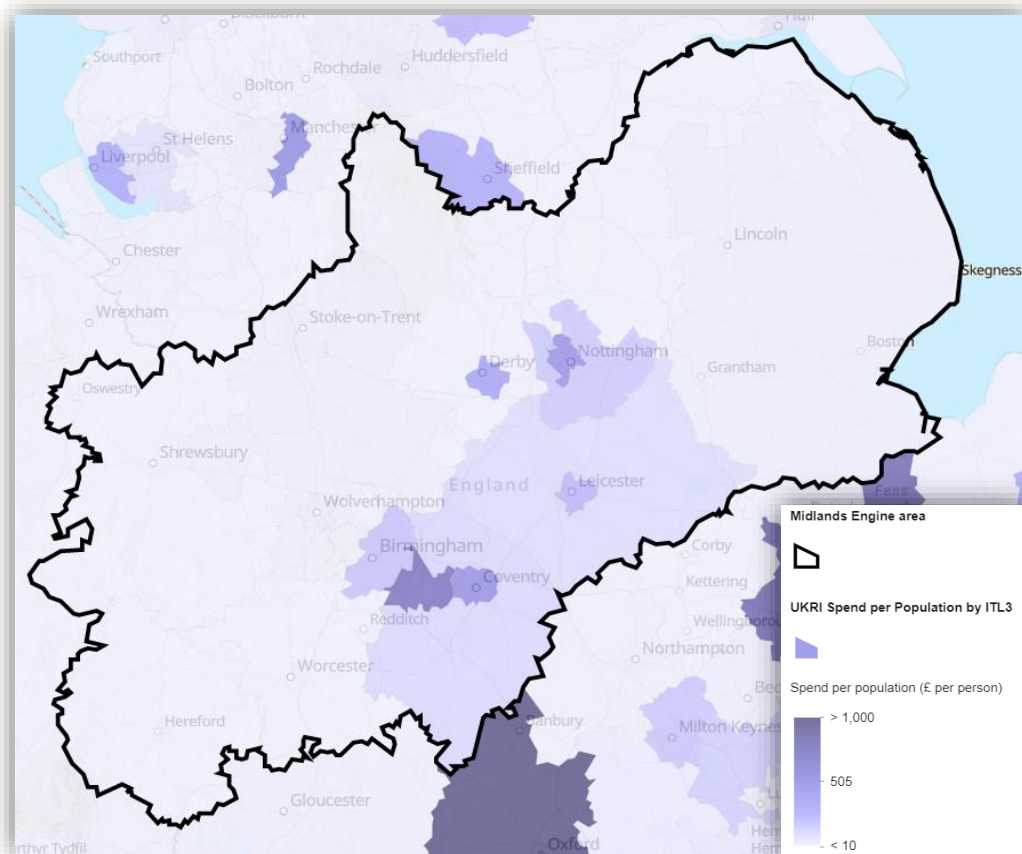
Source: UKRI

Figure 1 shows that, in the year 2020-21, total UKRI spend in the **Black Country was equal to £6 per person**, significantly below the regional and national averages: £179 per person across the WMCA 7-MET area and £107 per person across the UK.

For Innovate UK spend only (a sub-set of the UKRI total but excluding Research Councils and Research England), the **Black Country received the equivalent of just £3 per person**, again considerably lower than regional and national averages.

All four Black Country local authorities suffer compared to the rest of the WMCA 7-MET region, but this disparity isn't unique to the Black Country – with many places across the country receiving much lower R&D / innovation investment than “hotspot” areas:

**Figure 2: UKRI Spend per Population in the Midlands**



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Focusing on the project-level Innovate UK data, since 2013/14, the **Black Country has received almost £46m worth of funding across 333 grant awards. This represents 1.9% of the total West Midlands region awards over this time period, and 0.3% of the UK total.**

Of the Black Country local authorities, Dudley has received the most funding (£22.1m from 94 awards), followed by Wolverhampton (£14.1m), which was the Black Country local authority with the most awards in total (129). Sandwell (£6.4m from 70 awards) and Walsall (£3.3m from 40 awards) have received a lower amount of R&D/innovation funding via Innovate UK programmes in the last decade.

**Figure 3: Innovate UK Awards, 2013/14 to 2023/24 (November 2024)**

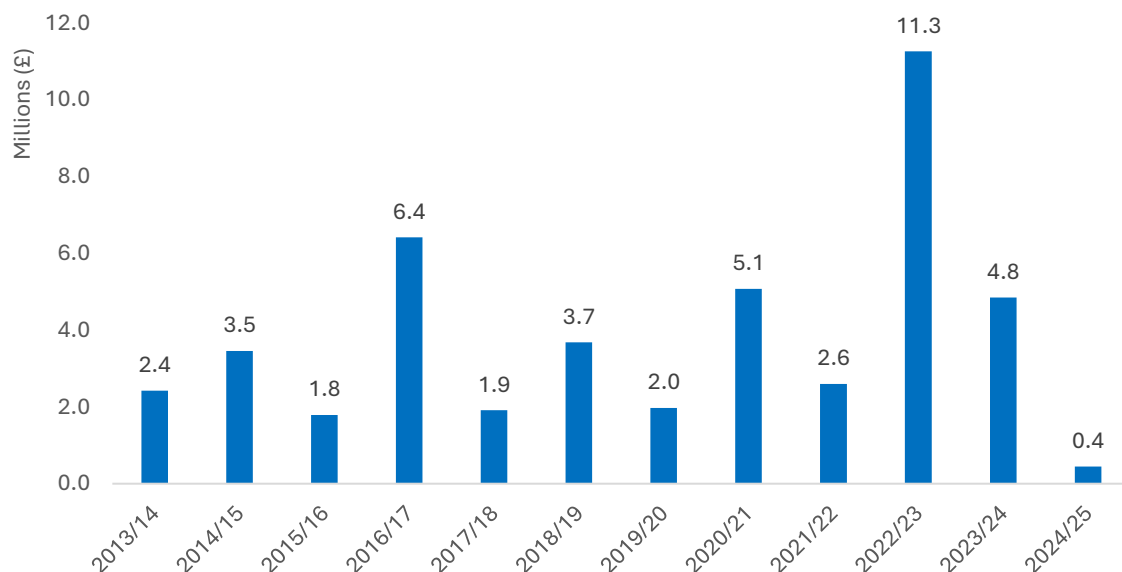
Area	No. of Innovate UK Awards since 2013/14	Value of Innovate UK Awards since 2013/14	% of West Midlands region awards (value)	% of UK awards (value)
Dudley	94	£22,099,271	0.9%	0.1%
Sandwell	70	£6,426,092	0.3%	0.0%
Walsall	40	£3,256,097	0.1%	0.0%
Wolverhampton	129	£14,088,089	0.6%	0.1%
<b>Black Country</b>	<b>333</b>	<b>£45,869,549</b>	<b>1.9%</b>	<b>0.3%</b>
West Midlands Region	4,196	2,391,254,672	100.0%	14.7%
UK	52,597	16,182,663,852	-	99.6%

Source: Innovate UK

Despite the clear disparity in funding, as per Figure 4, the **2022/23 competition year for Innovate UK awards reported the highest receipt of funding to the Black Country in history: £11.3m**, compared to £2.6m in 2021/22 and £5.1m in 2020/21. However, funding for the 2023/24 competition year has not yet finished, bringing in £4.8m as of November 2024 (the fourth highest amount awarded). The 2022/23 funding boost was driven by awards in Dudley, especially related to the Black Country Innovative Manufacturing Organisation, but several other interesting and innovative projects have been funded in recent times across the 4 local authorities, including:

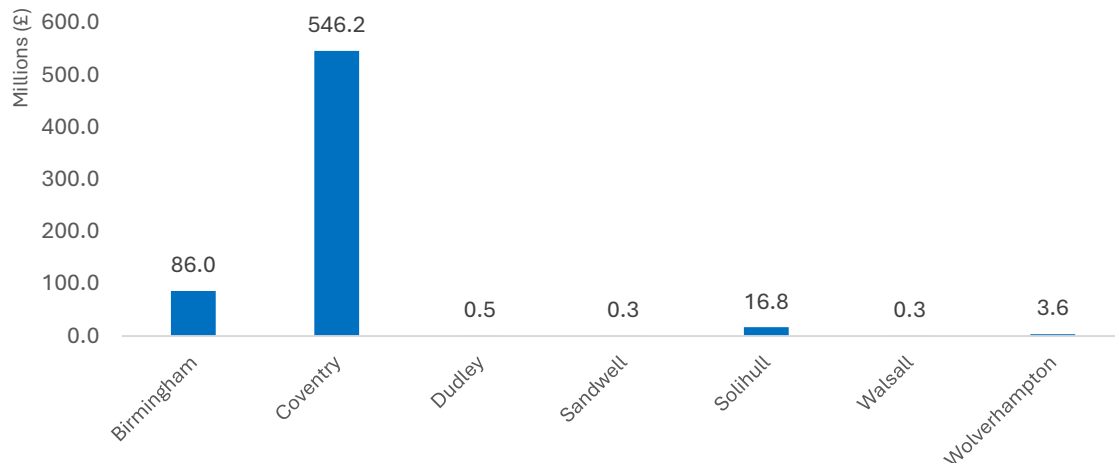
- **Symbiotex:** Up-cycling industrial waste to produce home-compostable biocomposites for sustainable cosmetic pots
- **iBiotech:** Upscaling of Microbial Cellulose Production for Fast Fashion and Agricultural Applications
- **University of Wolverhampton:** VPTaaS: Cyber Penetration Test as a Service for Future Vehicles
- **Scanmetals (UK):** Circular and Constant Aluminium (CirConAl)
- **Whiston Industries / Deepform Limited:** DeepForm: a new tool design for efficient car body parts
- **Gen 2 Carbon:** Advanced lightweight materials FOR Energy-efficient Structures.

**Figure 4: Innovate UK Awards by Competition Year, 2013/14 to 2023/24 (November 2024)**



Taking a closer look at the latest full data in the latest full year (2023-24 competition year), Figure 5 and 6, show that the Black Country received a total of £4.8m awards (0.7% of the West Midlands region) whilst the West Midlands 7-met received £653.8m (88.1% of the West Midlands region). Within this Coventry has received the most awards at £546.2m (73.6% of the West Midlands region), followed by Birmingham with £86.0m (11.6% of the West Midlands region). In the Black Country it was Wolverhampton which received a majority of the awards with £3.6m (0.5% of the West Midlands region).

**Figure 5: Innovate UK Awards in the West Midlands 7-Met, 2023-24**



**Figure 6: Innovate UK Awards in the West Midlands 7-Met, 2023/2024 Competition Year**

Area	Innovate UK Awards, 2023/2024 (£m)	% of West Midlands region awards (value)	% of UK awards (value)
Birmingham	86.0	11.6%	3.5%
Coventry	546.2	73.6%	22.1%
Dudley	0.5	0.1%	0.0%
Sandwell	0.3	0.0%	0.0%
Solihull	16.8	2.3%	0.7%
Walsall	0.3	0.0%	0.0%
Wolverhampton	3.6	0.5%	0.1%
<b>Black Country</b>	<b>4.8</b>	<b>0.7%</b>	<b>0.2%</b>
WMCA 7-Met	653.8	88.1%	26.4%
West Midlands	742.4	100.0%	30.0%
UK-wide	2472.2	-	100.0%

As per 'sizing up the prize', the Black Country has a significant gap in Innovate UK awards as compared to the UK. Where:

- **Per Head, the Black Country has a £291.4m gap** in Innovate UK Awards received
- **Per Business, the Black Country has a £205.2m gap** in Innovate UK Awards received

**Figure 7: Innovate UK Awards Gap in the Black Country and West Midlands**

Area	Innovate UK Awards (£m)	Population (2022)	Business Count (2023)	Innovate UK Awards Per Head (£)	Awards per Head Gap (£)	Innovate UK Awards Per Business (£)	Awards per Business Gap (£)
Black Country	53.1	1,222,935	36,990	43.4	238.3	1,434.80	5,547.99
West Midlands	2,688.1	6,021,653	217,885	446.4	-164.7	12,337.15	-5,354.36
UK	19,040.9	67,596,279	2,726,830	281.7	-	6,982.79	-

Furthermore, the UKRI data presented is somewhat skewed by data related to Catapult Centres; this is likely to overestimate the level of funding received by areas with a Catapult centre (such as Coventry / Warwickshire and Birmingham) because the specific project location award from Catapult projects is not recorded (rather it is just recorded as a sum to the Catapult centres geography). This also reflects that the data available on R&D / innovation spending is limited, with other forms of R&D / innovation not captured – for example businesses’ own investment in R&D / innovation, the use of R&D tax credits or external forms of support outside of UKRI / Innovate UK.

Nevertheless, the Black Country has **clearly received less than its fair share of funding awards from UKRI / Innovate UK overall, and there appears a longstanding challenge related to uplifting innovative activity across the 4 local authority areas.**

### Considerations

Although a clear view on innovation in a local economy is hard to obtain, Black Country businesses appear not to be engaging enough with the R&D / innovation ecosystem, or successfully getting funded support for potential projects. This is a missed opportunity.

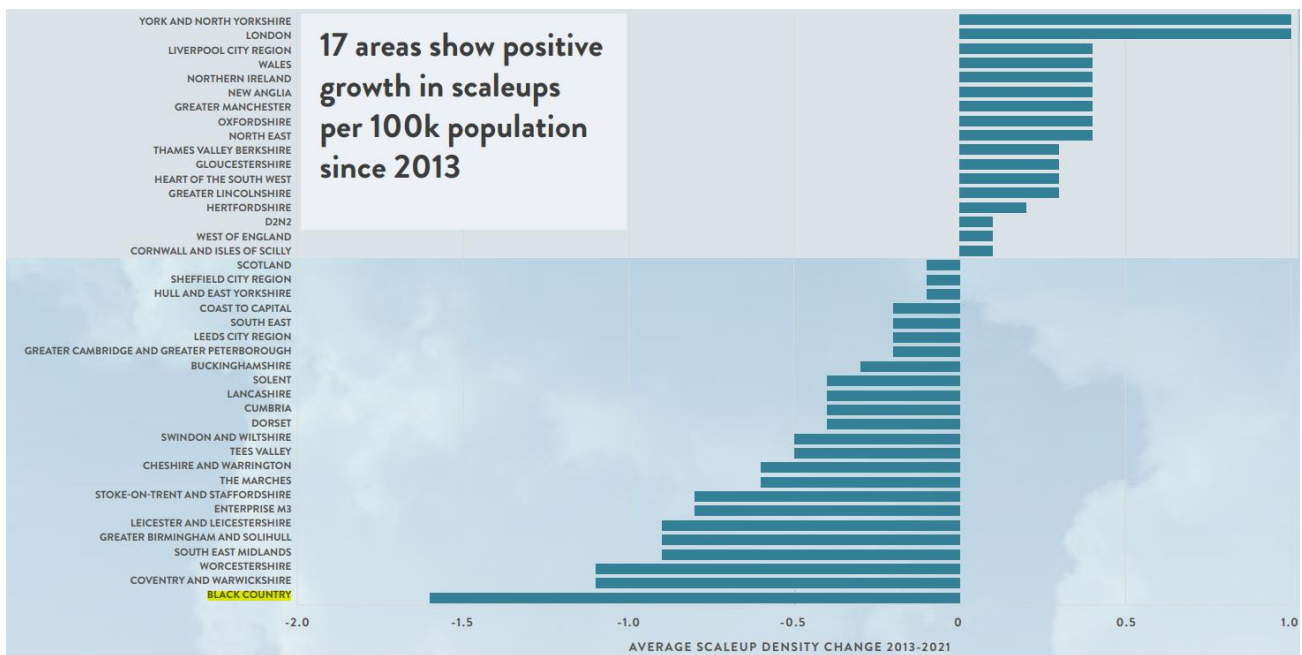
There also appears to not be enough high-growth, innovative activity in the Black Country to drive productivity / spillover effects locally. This is reflected in the low scaleup density and low levels of high growth companies in the Black Country too, one potential reason for less “innovative” activity:

**Figure 8: High Growth Firms in the Black Country**

	2017	2018	2019	2020	2021	2022	2017-2022 % Change
Dudley	40	55	50	45	45	45	12.5%
Sandwell	35	35	25	40	40	45	28.6%
Walsall	45	40	40	35	35	20	-55.6%
Wolverhampton	45	45	35	35	20	20	-55.6%
<b>Black Country</b>	<b>165</b>	<b>175</b>	<b>150</b>	<b>155</b>	<b>140</b>	<b>130</b>	<b>-21.2%</b>
UK	13,120	13,925	12,560	12,045	10,695	11,485	-12.5%

The Scaleup Institute recently published their Annual Review for 2023. This reported that the Black Country had 335 scaleups in 2021, equal to 29.3 scaleups per 100k of the population. This represents a decrease from 37.8 per 100k in 2020, with national scaleup figures also falling.

Figure 9: Scaleup Institute Annual Review Intel by LEP



The Black Country's **company and sector composition** is also likely to be part of the reason for **lower access to innovation funding**: fewer large firms and more reliance on firms in traditionally less innovative sectors (retail and health).

While low perceived innovation is possibly **impacted by a lack of grow-on space, a lack of diverse linkages to universities and other knowledge transfer assets and not having the right skills / culture** within business leaders and managers to access support.

Firms are also too busy surviving and dealing with other issues. According to the 2023 UK Innovation Survey, Covid-19, energy prices and availability of finance were highlighted as the biggest barriers to innovation for UK firms. **West Midlands firms also highlighted a higher-than-average score for many other barriers, particularly "lack of qualified personnel", and "lack of information on technology"**.

More positively, there is an existing pool of innovative Black Country companies that can be utilised for sharing knowledge and ideas across other businesses locally. Furthermore, Innovate UK are working actively in the West Midlands through their [regional action plan](#), and are hosting an innovation [event in the Black Country in March 2024](#). Working with organisations like Innovate UK and the WMCA to roll out relevant innovation programmes and link in companies with R&D / innovation grants will be important to uplifting the Black Country's innovation performance.

Furthermore, considering extending private sector partnerships with university and college centres and focusing on exporting / high growth may provide more impetus for business innovation. Importantly, local authorities should engage with local businesses to understand key barriers to innovation and potential mechanisms to support more investment in innovation.

## UK Innovation Survey Results

**Figure 10: % of businesses rating factors as highly important as barriers to innovation:**

Factor	UK	West Midlands
Excessive perceived economic risks	19.0	20.5
Direct innovation cost too high	17.3	20.2
Cost of finance	20.5	22.2
Availability of finance	21.2	22.4
Lack of qualified personnel	20.8	23.8
Lack of information on technology	6.9	11.3
Lack of information on markets	7.0	6.8
Market dominated by established businesses	10.6	12.6
Uncertain demand for innovative goods or services	13.6	12.5
UK Government regulations	16.5	15.5
EU regulations	10.5	9.4
Withdrawal of United Kingdom from the European Union	19.3	13.8
Meeting technical, industry or service standards	9.9	9.9
Issues arising from the coronavirus (COVID-19) pandemic	33.4	33.9
Recent increases in energy prices	29.7	31.3

**Figure 11: Percentage of businesses where over 90% of innovations were protected by the following methods:**

Region	Patents	Design registration	Copyright	Trademarks	Lead time advantages	Complexity of goods or services	Secrecy
England	0.9	0.9	2.0	2.2	1.0	2.3	2.2
North East	2.1	1.2	3.0	3.5	[c]	1.3	1.7
North West	0.8	1.3	1.5	1.9	0.4	1.8	1.9
Yorkshire and The Humber	0.5	0.7	1.4	0.8	[c]	1.9	1.8
East Midlands	[c]	0.6	1.3	1.2	1.4	1.4	1.2
West Midlands	0.6	0.4	0.8	1.8	0.3	1.5	1.6
East of England	0.5	0.2	2.6	2.2	1.9	3.3	2.2
London	1.3	1.2	3.4	3.4	1.1	3.3	2.5
South East	1.2	1.2	2.1	3.0	1.8	3.0	3.9
South West	1.2	0.9	1.4	2.0	0.8	2.1	1.7

Source: UK Innovation Survey 2023 (DBT)

## Annex: UKRI Data Tables

### UKRI TOTAL

	UKRI spend financial year 2020 to 2021 £ million	2020 Population	Spend per population
Birmingham	£188.6	1,140,525	£165.3
Coventry	£174.9	379,387	£461.0
Dudley	£1.3	322,363	£3.9
Sandwell	£1.0	329,042	£2.9
Solihull	£155.0	217,487	£712.7
Walsall	£0.5	286,716	£1.6
Wolverhampton	£4.5	264,407	£16.8
<b>Black Country</b>	<b>£7.1</b>	<b>1,202,528</b>	<b>£5.9</b>
WMCA 7-MET	£525.6	2,939,927	£178.8
UK-wide	£7,265.4	67,837,391	£107.1

### INNOVATE UK ONLY TOTAL

	UKRI spend financial year 2020 to 2021 £ million	2020 Population	Spend per population
Birmingham	£35.7	1,140,525	£31.3
Coventry	£53.9	379,387	£142.1
Dudley	£1.3	322,363	£4.0
Sandwell	£1.0	329,042	£3.0
Solihull	£155.0	217,487	£712.7
Walsall	£0.5	286,716	£1.7
Wolverhampton	£0.9	264,407	£3.4
<b>Black Country</b>	<b>£3.7</b>	<b>1,202,528</b>	<b>£3.1</b>
WMCA 7-MET	£248.3	2,939,927	£84.5
UK-wide	£1,525.9	67,496,983	£22.6

Source: UKRI

## Appendix: Innovate UK Projects

Competition Year	Participant Name	Project Title	Award Offered (£)	Address Local Authority
2013/14	Adas UK Limited	A pen side test for Schmallenberg virus exposure in sheep and cattle.	73,869	Wolverhampton
2013/14	Adas UK Limited	Development of a pen-side test for liver fluke in cattle and sheep.	124,947	Wolverhampton
2013/14	KENNAMETAL STELLITE UNLIMITED	ACcelerated CLAdding and Integrated Machining (ACCLAIM)	37,011	Dudley
2013/14	WHISTON INDUSTRIES LIMITED	Automated Manufacturing Process Integrated with Intelligent Tooling Systems (AUTOMAN)	490,120	Sandwell
2013/14	CARILLION ENERGY SERVICES LIMITED	S-IMPLER (S)olid Wall, (I)nnovative Insulation and (M)onitoring (P)rocesses using (L)ean (E)nergy efficient (R)etrofit	131,879	Wolverhampton
2013/14	Adas UK Limited	Development of measurement technologies to increase productivity, nitrogen use efficiency and nitrogen management decisions for grass crops	78,054	Wolverhampton
2013/14	Robinson Brothers Limited	NIRVANA - Near Infra-Red photoinitiated curing of industrial wood coatings and varnishes	127,286	Sandwell
2013/14	Midland Tool & Design Limited	Advanced Electrical Machines Technologies for Aircraft (AEMTA)	86,833	Sandwell
2013/14	KUKA ROBOTICS UK LTD	Innovative Linear Friction Welding technology for Near Net Shape manufacture of advanced Ti aerospace components	435,090	Dudley
2013/14	TEN Solutions Limited	Innovative Linear Friction Welding technology for Near Net Shape manufacture of advanced Ti aerospace components	129,437	Sandwell



Competition Year	Participant Name	Project Title	Award Offered (£)	Address Local Authority
2013/14	Adas UK Limited	Oilseed rape rooting rapid assessment	45,000	Wolverhampton
2013/14	Robinson Brothers Limited	Property Propagation through Process to Product	22,008	Sandwell
2013/14	Lafarge Tarmac Trading Limited	Floating photo-catalyst for environmental clean-up	51,327	Wolverhampton
2013/14	Weatherite Manufacturing Limited	MOF BASED ADSORPTION SYSTEM FOR INTEGRATED ENERGY STORAGE AND POWER GENERATION	66,020	Sandwell
2013/14	Adas UK Limited	Development of a soil zoning algorithm to improve productivity of arable farmers	44,806	Wolverhampton
2013/14	Adas UK Limited	Using environmental data to improve great crested newt surveying.	81,073	Wolverhampton
2013/14	Carillion LGS Limited	Smart Clean	15,666	Wolverhampton
2013/14	Adas UK Limited	WheatScan: Tractor-mount sensing for precision application of Nitrogen and control of milling wheat protein content.	76,642	Wolverhampton
2013/14	University of Wolverhampton	University of Wolverhampton and The Severn Partnership limited	90,750	Wolverhampton
2013/14	Clever Cherry Realisation Limited	Elders-Up!	33,192	Walsall
2013/14	oMbiel Limited	governmentM Platform Development	144,509	Wolverhampton
2013/14	S&B Waste Management & Recycling Limited	RDF Production diverted Landfill	5,000	Wolverhampton
2013/14	Hinton Perry & Davenhill Limited	HP&D BIM Modelling	5,000	Dudley
2013/14	New Energy Contracts Ltd	NEC 1	5,000	Sandwell
2013/14	Secure IT Disposals Limited	Network Security Testing	5,000	Dudley
2013/14	Simco External Framing Solutions (UK) Limited	BIM Development and implementation	5,000	Walsall
2013/14	New Energy Management Limited	Water Treatment	5,000	Sandwell
2013/14	Secure Online Transact	Cloud Security App	5,000	Sandwell
2014/15	ADAS UK LIMITED	Develop an automated system for precision application of nitrogen fertiliser and plant growth regulators	97,376	Wolverhampton
2014/15	Adas UK Limited	Control of Botrytis in fresh produce pre- and post-harvest environments by integrated UV-B, -C and ethylene removal treatment	75,935	Wolverhampton
2014/15	Midland Tool & Design Limited	High Volume E-Machine Supply from the UK (HVEMS-UK)	360,727	Sandwell
2014/15	MuJo Mechanics	Connected orthopaedic rehabilitation devices for remote patient monitoring during post-surgery care	176,640	Dudley
2014/15	Adas UK Limited	Targeted supply chain ethylene removal to control the development of fresh produce	87,402	Wolverhampton
2014/15	Sandvik Limited	GEMSTONE- Gear Manufacturing - Supplier Technology Optimisation, iNtegration & Education		Dudley
2014/15	WESTFIELD SPORTS CARS LIMITED	GATEway - Greenwich Automated Transport Environment	1,510,244	Dudley
2014/15	Wolverhampton City Council	Optimising regional clusters of smart electricity networks	25,000	Wolverhampton
2014/15	ELG Carbon Fibre Limited	Adapting Recycled Carbon Fibre Materials for Mass Produced Low Cost Automotive Structures	42,170	Dudley
2014/15	SERE-TECH INNOVATION LIMITED	Novel Integrated EPS and PEF process for Dairy byproducts processing for use as high value ingredients	143,045	Walsall
2014/15	Carillion LGS Limited	Data-driven Precision Surface Water Management for Urban Environments	34,995	Wolverhampton
2014/15	Somers Forge Limited	TransForge - Production of forged dissimilar metal transitions for improved reliability in new nuclear power plant	50,974	Dudley
2014/15	Adas UK Limited	Vaccination based control of fasciolosis in farmed ruminants	-	Wolverhampton
2014/15	Phoenix Calibration & Services Limited	AliAnForm	20,732	Dudley
2014/15	SERE-Tech Innovation Limited	SERE Tech Innovation Ltd (add on to 102312)		Walsall
2014/15	Hydratight Limited	The University of Sheffield and Hydratight Limited		Walsall
2014/15	Higgs & Sons	Aston University and Higgs & Sons		Dudley
2014/15	University of Wolverhampton	University if Wolverhampton and The Severn Partnership limited	38,600	Wolverhampton
2014/15	University of Wolverhampton	University of Wolverhampton and Primary FlowPoints Limited	54,450	Wolverhampton
2014/15	Primary FlowPoints Limited	University of Wolverhampton and Primary FlowPoints Limited		Walsall

Competition Year	Participant Name	Project Title	Award Offered (£)	Address Local Authority
2014/15	University of Wolverhampton	University of Wolverhampton and Industrial Penstocks Limited	63,300	Wolverhampton
2014/15	Industrial Penstocks Limited	University of Wolverhampton and Industrial Penstocks Limited		Dudley
2014/15	Phoenix Materials Testing Limited	The University of Sheffield and Phoenix Materials Testing Limited		Dudley
2014/15	B E Wedge Holdings Limited	The University of Sheffield and B E Wedge Holdings Limited		Walsall
2014/15	University of Wolverhampton	University of Wolverhampton and i2r Packaging Solutions Limited	54,450	Wolverhampton
2014/15	University of Wolverhampton	University of Wolverhampton and Syspal Limited	72,600	Wolverhampton
2014/15	University of Wolverhampton	University of Wolverhampton and Whale Tankers Limited	108,900	Wolverhampton
2014/15	University of Wolverhampton	University of Wolverhampton and Somers Forge Limited	80,088	Wolverhampton
2014/15	Somers Forge Limited	University of Wolverhampton and Somers Forge Limited		Dudley
2014/15	University of Wolverhampton	University of Wolverhampton and Warrior Doors Limited	72,600	Wolverhampton
2014/15	University of Wolverhampton	University of Wolverhampton and Wescol Limited	72,600	Wolverhampton
2014/15	Wescol Limited	University of Wolverhampton and Wescol Limited		Wolverhampton
2014/15	Carwood Motor Units Limited	The University of Warwick and Carwood Motors Units Limited		Sandwell
2014/15	Industrial Penstocks Limited	Flood Barrier that uses the flotation power of the flood to automatically erect itself.	181,729	Dudley
2014/15	Brockhouse Group Limited	Catapult Strathclyde	5,000	Sandwell
2014/15	Heat Genius Ltd	HG Cyber Security	5,000	Dudley
2014/15	HumAnima CIC	Cyber Techno App	5,000	Wolverhampton
2014/15	My Life Information	My Life Info	5,000	Sandwell
2014/15	Grand Station	application 1	5,000	Wolverhampton
2014/15	: Krypton Electrical Wholesalers Limited	LED Lighting for Poultry Industry	5,000	Walsall
2014/15	Intervate Limited	Intervate Paper Sludge	-	Sandwell
2015/16	METALLISATION LIMITED	FLARE - 'FLame spray Adder for in-situ patch Repair of aero-Engine combustors'	131,770	Dudley
2015/16	Vacuum Furnace Engineering Limited	Diffusion Bonded Aero Heat Exchanger	24,406	Dudley
2015/16	Virtechs Limited	Insurance-backed warranty for whole life housing energy performance (I-LIFE)	26,109	Sandwell
2015/16	WESTFIELD SPORTS CARS LIMITED	INSIGHT	621,640	Dudley
2015/16	INDUSTRIAL POWER UNITS LIMITED	Low Temperature Waste Heat to Power Generation	50,267	Sandwell
2015/16	ORIGEN POWER LTD	Balanced Energy Networks	233,134	Walsall
2015/16	WESTFIELD SPORTS CARS LIMITED	High Performance Low Emission Hybrid Power Train For Motorcycles And Lightweight Sports Cars		Dudley
2015/16	MIDLAND TOOL AND DESIGN LIMITED	MEGCAP	88,915	Sandwell
2015/16	GOODRICH ACTUATION SYSTEMS LIMITED	Advanced Nacelle System	494,740	Wolverhampton
2015/16	Accord Housing Association Limited	Refurbishment as a Manufacturing Industry (REMI)	12,000	Sandwell
2015/16	WESTFIELD SPORTS CARS LIMITED	Towards fully sustainable high-performance biocomposites for lightweight vehicles	15,543	Dudley
2015/16	University of Wolverhampton	University of Wolverhampton and Crestwood Environmental Limited	63,526	Wolverhampton
2015/16	Crestwood Environmental Limited	University of Wolverhampton and Crestwood Environmental Limited		Wolverhampton
2015/16	W H Tildesley Limited	University of Strathclyde and W H Tildesley Limited		Walsall
2015/16	University of Wolverhampton	University of Wolverhampton and Rozone Limited		Wolverhampton
2015/16	Rozone Limited	University of Wolverhampton and Rozone Limited		Walsall
2015/16	Griff Chains Limited	the University of Birmingham and Griff Chains Limited		Dudley

Competition Year	Participant Name	Project Title	Award Offered (£)	Address Local Authority
2015/16	University of Wolverhampton	University of Wolverhampton and Somers Forge Limited		Wolverhampton
2015/16	Somers Forge Limited	University of Wolverhampton and Somers Forge Limited		Dudley
2015/16	University of Wolverhampton	University of Wolverhampton and Wescol Limited		Wolverhampton
2015/16	Wescol Limited	University of Wolverhampton and Wescol Limited		Wolverhampton
2015/16	RSTYLE Services	Travel Pal	5,000	Dudley
2015/16	Lodge Cottrell	Syngas Clean-up		Dudley
2015/16	Midland Impregnations Ltd	Monomer Recycling		Dudley
2015/16	Talbots Law Limited	We Will Innovate		Dudley
2015/16	Silks Solicitors	Bespoke IT Solution		Sandwell
2015/16	Origen Power Ltd	CHESS Innovation Voucher Application	5,000	Walsall
2015/16	R Future Solutions	3RFit		Dudley
2015/16	THE ONE STOP PSYCHOTHERAPY SHOP LTD	Cyber security @TOSPS.com	5,000	Walsall
2015/16	Fboard	fboard		Sandwell
2015/16	West Midlands Solicitors	New Cloud	5,000	Walsall
2015/16	Sundip Murria (Wolverhampton) Solicitors Limited	Remote Innovation	5,000	Walsall
2015/16	Data Developments (UK) Ltd	OLGA data security		Wolverhampton
2016/17	East End Foods PLC	Newton Fund - Enhanced rice milling and maximised valorisation of rice milling by-products	41,500	Sandwell
2016/17	METALLISATION LIMITED	Cost Reduction for Offshore Wind Now (CROWN)	16,019	Dudley
2016/17	PHOENIX CALIBRATION & SERVICES LIMITED	Rapid Aluminium Solutionising Technologies (RASTec)	170,825	Dudley
2016/17	WESTFIELD SPORTS CARS LIMITED	Automated Connected and Electric Urban Transport Solutions (ACE UTS)	618,749	Dudley
2016/17	KUKA ROBOTICS UK LTD	RoboWAAM	330,652	Sandwell
2016/17	WESTFIELD SPORTS CARS LIMITED	Multi-Car Collision Avoidance	871,347	Dudley
2016/17	WESTFIELD SPORTS CARS LIMITED	CAPRI	1,239,602	Dudley
2016/17	WESTFIELD SPORTS CARS LIMITED	Project Synergy	1,479,297	Dudley
2016/17	WESTFIELD SPORTS CARS LIMITED	ESCIPODS (Electric Supercapacitor Integrated PODs)	395,964	Dudley
2016/17	WESTFIELD SPORTS CARS LIMITED	Reducing Vehicle Carbon Emissions through Development of a Compact, Efficient, and Intelligent Powertrain	803,897	Dudley
2016/17	Adas UK Limited	SHiFT: -Sentinel-2 -compatible Historical datasets for Future crop Targeting	3,218	Wolverhampton
2016/17	Adas UK Limited	GRASS improvement using Satellite TECHNOlogies: GRASS-TECH	4,536	Wolverhampton
2016/17	Adas UK Limited	Integrating Satellite data to create an underpinning Crop Intelligence System	28,245	Wolverhampton
2016/17	WESTFIELD SPORTS CARS LIMITED	LAVIS - Lake District Autonomous Vehicle and infrastructure Systems	68,754	Dudley
2016/17	CHINA JEWEL LIMITED	Modernisation of extruded wire filigree manufacturing to contemporary requirements	31,749	Dudley
2016/17	University of Wolverhampton	University of Wolverhampton and Scot Young Research Limited	110,385	Wolverhampton
2016/17	Scot Young Research Limited	University of Wolverhampton and Scot Young Research Limited		Dudley
2016/17	University of Wolverhampton	University of Wolverhampton and Mark Fenton Design Services Limited		Wolverhampton
2016/17	University of Wolverhampton	University of Wolverhampton and Rozone Limited	88,308	Wolverhampton
2016/17	Rozone Limited	University of Wolverhampton and Rozone Limited		Walsall
2016/17	University of Wolverhampton	Wrekin Products Steel Project and University of Wolverhampton		Wolverhampton
2016/17	University of Wolverhampton	University of Wolverhampton and Johnson Test Papers Limited	110,385	Wolverhampton
2016/17	Johnson Test Papers Limited	University of Wolverhampton and Johnson Test Papers Limited		Sandwell
2017/18	SONEMAT LIMITED	RASCAL (Rate Scalable NDT for AM)	67,776	Walsall
2017/18	OVIVO UK LIMITED	Pristine - Production process enhancement for photocatalytic treatment system for water	-	Wolverhampton
2017/18	SANDVIK LIMITED	Digitally enabled ultrasonic assisted robotic machining demonstrator – RoboMade	-	Dudley

Competition Year	Participant Name	Project Title	Award Offered (£)	Address Local Authority
2017/18	DISULFICAN LIMITED	Formulation and testing of PLGA-DS as an anti-cancer therapy for FDA and EMA new drug application	147,082	Wolverhampton
2017/18	University of Wolverhampton	Formulation and testing of PLGA-DS as an anti-cancer therapy for FDA and EMA new drug application	90,000	Wolverhampton
2017/18	SONEMAT LIMITED	Smart Residual Stresses Monitoring for Metal Additive Manufacturing – EM-ReSt	54,705	Walsall
2017/18	W.H. TILDESLEY LIMITED	FAST STEP 3 - Swarf Titanium to Engine Parts in 3 Steps	177,460	Walsall
2017/18	HS MARSTON AEROSPACE LIMITED	FAST	806,751	Wolverhampton
2017/18	University of Wolverhampton	Novel Nanoparticle Targeting of Antimicrobials to Infected Diabetic Foot Ulcers	57,210	Wolverhampton
2017/18	ENVIRONMENTAL EXCELLENCE TRAINING AND DEVELOPMENT LTD	Upskilling Healthcare Cleaning Staff. A design investigation of approaches to training.	32,000	Sandwell
2017/18	University of Wolverhampton	Violent and Sexual Offenders Online Monitoring System(s) Using GDPR Compliant Private Blockchain	15,889	Wolverhampton
2017/18	University of Wolverhampton	University of Wolverhampton & Wescol Limited	-	Wolverhampton
2017/18	Wescol Limited	University of Wolverhampton & Wescol Limited		Wolverhampton
2017/18	University of Wolverhampton	University of Wolverhampton & Mark Fenton Design Services Limited		Wolverhampton
2017/18	University of Wolverhampton	University of Wolverhampton and Integrated System Technologies Limited	116,735	Wolverhampton
2017/18	Integrated System Technologies Limited	University of Wolverhampton and Integrated System Technologies Limited		Walsall
2017/18	Excelsior Panelling Systems Limited	Birmingham City University and Excelsior Panelling Systems Limited		Dudley
2017/18	EDDYSENSE LTD.	Eddysense Ltd	350,000	Walsall
2018/19	METALLISATION LIMITED	CROWN 2 - Cost Reduction for Offshore Wind Now 2	46,370	Dudley
2018/19	EDDYSENSE LTD.	HiF-PD: Development of advanced performance eddy current testing technology based on high frequency phase discrimination.	152,975	Walsall
2018/19	WHG TRADING COMPANY LIMITED	Collaborative knowledge-based DfMA approach to build cost-efficient, low-impact and high performance houses	317,968	Walsall
2018/19	HADLEY INDUSTRIES HOLDINGS LIMITED	Collaborative knowledge-based DfMA approach to build cost-efficient, low-impact and high performance houses	24,923	Sandwell
2018/19	AZETS HOLDINGS LIMITED	The Development of an Artificial Intelligence Recommender System for Advisory Service Provision at Scale	233,560	Walsall
2018/19	METALLISATION LIMITED	CHIMERA - Robotic Inspection of Pressure Vessels	103,838	Dudley
2018/19	ZIMMER AND PEACOCK LIMITED	Fertiliser on-farm decision tool: Optimising the use and reducing the environmental burden of fertigation	809,103	Sandwell
2018/19	PYROGENESYS LTD	PyroPower Africa	48,092	Dudley
2018/19	University of Wolverhampton	Safe Internet surfing with an intelligent child-centred shield against harmful content	30,502	Wolverhampton
2018/19	University of Wolverhampton	A GDPR compliant Private Permissioned Blockchain for Secure Distributed Data Storage and Processing	15,970	Wolverhampton
2018/19	University of Wolverhampton	Cydon: An intelligent decentralised data management platform	95,551	Wolverhampton
2018/19	J D WHITEHOUSE ENTERPRISES LTD	Technical Feasibility Study (TFS) of Battery Remanufacturing for Electric Vehicles (BATREV)	3,246	Dudley
2018/19	TETRA DESIGN SERVICES LIMITED	Zero Emissions capable Ready for Autonomous Urban Deliveries (ZERAUD)	39,348	Dudley
2018/19	Liberty Performance Steels Limited	University of Birmingham and Liberty Performance Steels Limited		Sandwell
2018/19	Westley Plastics Limited	University of Birmingham and Westley Plastics Limited		Dudley
2018/19	University of Wolverhampton	University of Wolverhampton and Bromford Iron and Steel Company Limited		Wolverhampton
2018/19	Bromford Iron and Steel Company Limited	University of Wolverhampton and Bromford Iron and Steel Company Limited		Sandwell
2018/19	University of Wolverhampton	University of Wolverhampton and Transicon Limited		Wolverhampton
2018/19	University of Wolverhampton	University of Wolverhampton and Wrekin Products Limited	123,785	Wolverhampton
2018/19	University of Wolverhampton	University of Wolverhampton and Black Country Living Museum Trust	97,409	Wolverhampton

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2018/19	The Black Country Living Museum Trust	University of Wolverhampton and Black Country Living Museum Trust		Dudley
2018/19	University of Wolverhampton	University of Wolverhampton and PKF Cooper Parry Group Ltd		Wolverhampton
2018/19	University of Wolverhampton	University of Wolverhampton and Eumar Technology Limited		Wolverhampton
2018/19	University of Wolverhampton	University of Wolverhampton and Wescol Limited	118,944	Wolverhampton
2018/19	Wescol Limited	University of Wolverhampton and Wescol Limited		Wolverhampton
2018/19	Mechatherm International Limited	Aston University and Mechatherm International Limited		Dudley
2018/19	University of Wolverhampton	University of Wolverhampton and E Poppleton & Son Limited	106,219	Wolverhampton
2018/19	University of Wolverhampton	University of Wolverhampton and Clear Architects Limited	116,805	Wolverhampton
2018/19	University of Wolverhampton	University of Wolverhampton and Repose Furniture Limited	194,252	Wolverhampton
2018/19	Repose Furniture Limited	University of Wolverhampton and Repose Furniture Limited		Dudley
2018/19	Conway Packing Services Limited	Birmingham City University and Conway Packing Services Limited		Sandwell
2018/19	WESTFIELD TECHNOLOGY GROUP LIMITED	Disused Railway Project	1,000,000	Dudley
2019/20	University of Wolverhampton	Phos Cycle. Expired Fire Extinguisher Powder - Recycling Feasibility Project	112,915	Wolverhampton
2019/20	UV LIGHT TECHNOLOGY LIMITED	Digital Servitization Demonstrator: From Sensor to Service to Business Success	29,786	Sandwell
2019/20	TARMAC TRADING LIMITED	Upgrading the value of BOS slag by addition of difficult to recycle glass or slags	10,606	Wolverhampton
2019/20	FOUNDRY MACHINERY & SPARES LIMITED	Rapid Sand Casting Production	41,625	Walsall
2019/20	East End Foods PLC	Enhanced Rice Milling and Maximised Valorisation of Rice Milling co product - Amendment 2 Extension for Impact	41,500	Sandwell
2019/20	TOTALLY MODULAR LIMITED	IGNITE (Integrated Intelligent Digital Tendering System)	123,397	Sandwell
2019/20	ERODEX (U.K.) LIMITED	Valid8 Turbine Inspection	33,008	Dudley
2019/20	CHINA JEWEL LIMITED	Analysis of impurities arising from braising processes in thin wire filigree jewellery	24,637	Dudley
2019/20	ALGORID LTD	Automatic Finger and Palm Print Matching Using Multiple Features	198,030	Wolverhampton
2019/20	TOTALLY MODULAR LIMITED	STELLAR	353,062	Sandwell
2019/20	University of Wolverhampton	STELLAR	241,371	Wolverhampton
2019/20	TOTALLY MODULAR LIMITED	Enabling Housing Innovation for Inclusive Growth	122,823	Sandwell
2019/20	University of Wolverhampton	CyberMIND: AI based application to monitor and predict stress levels in cyber security professionals and facilitate smart interventions to ensure good mental health	31,713	Wolverhampton
2019/20	MIDLAND TOOL AND DESIGN LIMITED	Aerospace Electric Propulsion Equipment, Controls & machines (AEPEC)	177,389	Sandwell
2019/20	University of Wolverhampton	VACCYNE - an intelligent child-centred shield against harmful communications	58,932	Wolverhampton
2019/20	PYROGENESYS LTD	Energy Access Africa (EAA)	67,043	Dudley
2019/20	PYROGENESYS LTD	Ethiopian Minigridd Extensions & Energy Storage (EMEES)	57,696	Dudley
2019/20	PYROGENESYS LTD	Rural Industrialisation via Energy Technologies (RIVET)	39,172	Dudley
2019/20	ECO RESEARCH LTD	Low cost filtered drinking water in the areas of struggle in Pakistan	24,990	Dudley
2019/20	BLACK COUNTRY CONSORTIUM LIMITED	Repowering the Black Country - Roadmap	22,767	Dudley
2019/20	CR PLUS LIMITED	Repowering the Black Country - Roadmap	6,946	Dudley
2019/20	University of Wolverhampton	University of Wolverhampton and Integrated System Technologies Limited	156,433	Wolverhampton
2019/20	Hadley Industries plc	Brunel University and Hadley Industries plc		Sandwell
2019/20	W H Tildesley Limited	University of Warwick and W H Tildesley Limited		Walsall

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2020/21	BOC LIMITED	High Productivity Wire Arc Additive Manufacturing (HPWAAM)	77,606	Wolverhampton
2020/21	PYROGENESYS LTD	Virucidal Breathing Apparatus Filters (VBAF)	75,000	Dudley
2020/21	NATIONAL GRID ELECTRICITY DISTRIBUTION PLC	South Wales Industry - A Plan for Clean Growth	-	Sandwell
2020/21	BLACK COUNTRY CONSORTIUM LIMITED	Repowering the Black Country Phase 2 Cluster Plan	153,305	Dudley
2020/21	CAMIRUS LIMITED	Repowering the Black Country Phase 2 Cluster Plan	99,894	Dudley
2020/21	KEW PROJECTS LIMITED	Repowering the Black Country Phase 2 Cluster Plan	142,125	Sandwell
2020/21	WESTFIELD AUTONOMOUS VEHICLES LIMITED	Synergy - 103289	182,793	Dudley
2020/21	ECO RESEARCH LTD	COVID-19: Continuity grants	13,000	Dudley
2020/21	ERODEX (U.K.) LIMITED	Valid8 Turbine Inspection	49,200	Dudley
2020/21	EVER RESOURCE LTD	An improved method for producing lead oxides for enhancing performance of lead acid batteries	156,123	Walsall
2020/21	DIAMOND COATINGS LIMITED	Optically enhanced antiviral transparent screen protection	91,326	Dudley
2020/21	GEN 2 CARBON LIMITED	Sustainable Aerospace Seatback	82,354	Dudley
2020/21	CROWNCRUISER MOTORS LTD	The RAPTURE E-Bike	138,196	Wolverhampton
2020/21	WESTFIELD SPORTS CARS LIMITED	Cargo POD	207,972	Dudley
2020/21	STAHT LIMITED	An Innovative IoT-based software platform utilising AI and Machine learning to optimise working practices within the construction industry	167,939	Dudley
2020/21	ADVANCED CONSTRUCTION TECHNOLOGIES LIMITED	TUPROOFS - The roof that pays for itself (TF)	82,012	Sandwell
2020/21	HADLEY INDUSTRIES HOLDINGS LIMITED	TUPROOFS - The roof that pays for itself (TF)	83,816	Sandwell
2020/21	MIDLANDS HIGH GROWTH LIMITED	TUPROOFS - The roof that pays for itself (TF)	50,000	Sandwell
2020/21	HINTON PERRY & DAVENHILL LIMITED	Study of HP&D exhaust kiln heat conversion and use for drying bricks and tiles	102,334	Dudley
2020/21	HADLEY INDUSTRIES HOLDINGS LIMITED	Mass-produced Energy Pod for Mass Retrofitting	114,797	Sandwell
2020/21	MIDLANDS HIGH GROWTH LIMITED	Mass-produced Energy Pod for Mass Retrofitting	27,782	Sandwell
2020/21	MIDLANDS HIGH GROWTH LIMITED	DOORWAY - Roof and External Wall Insulation Cassettes	155,823	Sandwell
2020/21	HADLEY INDUSTRIES HOLDINGS LIMITED	DOORWAY - Roof and External Wall Insulation Cassettes	-	Sandwell
2020/21	TIN SMART SOCIAL LIMITED	DOORWAY - Roof and External Wall Insulation Cassettes	39,827	Sandwell
2020/21	University of Wolverhampton	Development of Innovative Off-Grid Energy Storage for Sub-Saharan Africa using portable and affordable Na-ion Battery System	315,912	Wolverhampton
2020/21	RSK ADAS LIMITED	Supporting the YEN Family through Covid-19 and beyond with an enhanced digital environment: Enhancing agricultural productivity, sustainability & profitability	99,570	Wolverhampton
2020/21	ENVOREM LIMITED	Decarbonising the Oil Industry	99,880	Dudley
2020/21	University of Wolverhampton	CyberMIND: An AI-based platform helping cyber security professionals to detect, predict and manage stress.	59,150	Wolverhampton
2020/21	LISN LTD	Lisn Dashboard for Staff Feedback using AI (Machine Learning)	12,410	Walsall
2020/21	TATA STEEL UK LIMITED	CarbonVue - integrated carbon and productivity end-to-end supply chain management	-	Wolverhampton
2020/21	WESTFIELD SPORTS CARS LIMITED	Digital Innovations for Niche Sector Industry Supply Chain Optimisation (DINS)	158,990	Dudley
2020/21	CARRS TOOL STEELS LIMITED	Feasibility study of Hot Isostatic Pressing of tool steel powder with Alternative Particle size distributions (HIPAS)	35,296	Sandwell
2020/21	THE FLAME LILY HEALTHCARE LTD	CheckUp Health - Saving Black, Asian and Minority Ethnic Lives	43,139	Wolverhampton

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2020/21	A.F.BLAKEMORE AND SON LIMITED	Smart logistics network cost optimisation	12,483	Walsall
2020/21	FIRSTEEL LIMITED	Feasibility Study for the Energy Transition of Firsteel Limited	80,116	Walsall
2020/21	University of Wolverhampton	University of Wolverhampton and Johnson Test Papers Limited	112,896	Sandwell
2020/21	FENIX BATTERY RECYCLING LTD	Development of innovative separation technologies for end-of-life Lithium Ion Battery recycling	245,250	Walsall
2020/21	APTISENS LTD	Smart and high-efficient technologies for fruits and vegetable production in greenhouse and plant factory	142,354	Wolverhampton
2020/21	Made in the Midlands Limited	Birmingham City University and Made in the Midlands Limited		Walsall
2020/21	Metal Assemblies Limited	Aston University and Metal Assemblies Limited		Sandwell
2020/21	University of Wolverhampton	FedCam: Secure Federation for Visual Sensor (Camera)	31,573	Wolverhampton
2020/21	University of Wolverhampton	TrustMe: Secure and Trustworthy AI platform for FinTech	31,338	Wolverhampton
2020/21	WESTFIELD SPORTS CARS LIMITED	RICHE - Robots In Controlled Healthcare Environments	244,742	Dudley
2020/21	ADVANCED ELECTRONICS & LOGISTICS LIMITED	Innovative discharging technologies for Lithium-ion battery recyclability (DISCOVERY)	235,410	Sandwell
2020/21	Birmingham City University	Birmingham City University and Malthouse Engineering Co Limited	126,540	Sandwell
2020/21	GOODRICH ACTUATION SYSTEMS LIMITED	Novel Leading Edge Flap Actuator for Commercial Supersonic Aircraft	691,110	Wolverhampton
2021/22	Birmingham City University	Birmingham City University and Hadley Industries Holdings Limited	92,894	Sandwell
2021/22	Sandwell Metropolitan Borough Council	Low-cost acoustic sensor to monitor, analyse and predict traffic and vehicular emissions with Spatiotemporal Context (Traffic Ear)	3,637	Sandwell
2021/22	TETRA DESIGN SERVICES LIMITED	Electric Module for Low Flat Floor (EMLoFF) for MCVs and Semi Trailers	154,524	Dudley
2021/22	MEMBRACON (UK) LIMITED	PigProGrAm – Developing a Circular Economy for UK Pig Production through Green Ammonia Harvesting	93,121	Wolverhampton
2021/22	WESTFIELD SPORTS CARS LIMITED	SUPPORTIVE-SUPercapacitors for zero emission PORT-side VEHICLES	253,333	Dudley
2021/22	BIGTOOTH STUDIOS LTD	Live Facial & Motion Capture Digital Avatars	24,396	Wolverhampton
2021/22	TEN STREETS LIMITED	Ten Streets Modern Sustainable Footwear	12,722	Sandwell
2021/22	University of Wolverhampton	TrustMe: Secure and Trustworthy AI platform	59,899	Wolverhampton
2021/22	CAST METALS FEDERATION	3DCarbide	6,509	Sandwell
2021/22	University of Wolverhampton	FeDCam: Secure Federation for Visual Sensors (Camera)	59,778	Wolverhampton
2021/22	ECO RESEARCH LTD	Feasibility study to deploy small scale waste to energy systems (through gasification) in Pakistan	20,999	Dudley
2021/22	PHOS CYCLE LIMITED	Expired Fire Extinguisher Powder Recycling - Experimental Development Project	167,559	Sandwell
2021/22	University of Wolverhampton	Expired Fire Extinguisher Powder Recycling - Experimental Development Project	45,669	Wolverhampton
2021/22	ROBINSON BROTHERS LIMITED	Odourising Hydrogen Fuel Cells	7,448	Sandwell
2021/22	Sandwell Metropolitan Borough Council	Reducing Health inequalities and enabling self care for all	247,012	Sandwell
2021/22	FALLOUH HEALTHCARE LIMITED	PerDeCT device (Pericardial Device for monitoring Cardiac output and the diagnosis of Tamponade)	214,653	Walsall
2021/22	DIAMOND COATINGS LIMITED	Self-sanitising coatings to reduce healthcare associated infections	95,884	Dudley
2021/22	DISULFICAN LIMITED	Translational Development of a novel therapy for Malignant Mesothelioma	221,068	Wolverhampton
2021/22	University of Wolverhampton	Translational Development of a novel therapy for Malignant Mesothelioma	147,092	Wolverhampton
2021/22	CONFEDERATION OF BRITISH METALFORMING	Scale-up and commercialization of an innovative forming technology for low-cost production of super-light automotive structural parts (SECA)	31,102	Sandwell
2021/22	Birmingham City University	Birmingham City University and Barton Storage Systems Limited	-	Wolverhampton

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2021/22	BARTON STORAGE SYSTEMS LIMITED	Birmingham City University and Barton Storage Systems Limited	-	Wolverhampton
2021/22	Aston University	Aston University and Brockhouse Group Limited KTP 21_22 R5	170,973	Sandwell
2021/22	Aston University	Aston University and Mechatherm International Limited KTP 21_22 R5	168,937	Dudley
2021/22	Birmingham City University	Birmingham City University and Crowe UK LLP KTP 21_22 R5	86,890	Sandwell
2021/22	BRIGHT STRUCTURES LIMITED	EASIBridge: Ultra-Compact 4-Person Launchable Space-Frame Vehicle Bridge	168,767	Dudley
2021/22	ELANSYS LIMITED	certain.1 - climate and environment risk through transparent analytics and intelligent networks phase 1	46,248	Walsall
2022/23	METAL ASSEMBLIES LTD	ECO-SPRINT: Environment Centred Optimisation of SME Productivity using Realtime INTelligence	51,286	Sandwell
2022/23	SCANMETALS (UK) LIMITED	Circular and Constant Aluminium (CirConAl)	232,419	Walsall
2022/23	Birmingham City University	Birmingham City University and Panic Deliveries Limited KTP 22_23 R1	122,082	Sandwell
2022/23	The Royal Wolverhampton NHS Trust	Make healthcare safer by preventing accidentally retained surgical items	89,502	Wolverhampton
2022/23	University of Wolverhampton	Envirosurface - Urban Heat Management Eco Paving (High Albedo Index PU-R Composite)	117,484	Wolverhampton
2022/23	The Royal Wolverhampton NHS Trust	Make childbirth and surgery safer by preventing accidentally retained surgical items	89,502	Wolverhampton
2022/23	The University of Warwick	University of Warwick (The) and Thomas Dudley Foundry Ltd KTP 22_23 R2	-	Dudley
2022/23	THOMAS DUDLEY FOUNDRY LIMITED	University of Warwick (The) and Thomas Dudley Foundry Ltd KTP 22_23 R2	-	Dudley
2022/23	ECO RESEARCH LTD	Feasibility study for sustainable, affordable solar PV/T-biomethane energy solution for rural Pakistan	38,998	Dudley
2022/23	SEPSIS ENTERPRISES LIMITED	Development of the NeuroCheck diagnostic device to enable remote triage of chemotherapy patients at risk of neutropenic sepsis	35,110	Walsall
2022/23	ENJOY THE AIR LIMITED	Sandwell Proof of Concept - Link Local Government Disease Prevention Planning to Community Behaviour Change	49,650	Sandwell
2022/23	DEEPPFORM LIMITED	DeepForm: a new tool design for efficient car body parts	49,998	Sandwell
2022/23	AIRGUARD FILTERS LIMITED	Smart Sink	49,836	Wolverhampton
2022/23	Birmingham City University	Birmingham City University and King and Moffatt UK Limited KTP 22_23 R2	-	Wolverhampton
2022/23	KING & MOFFATT UK LIMITED	Birmingham City University and King and Moffatt UK Limited KTP 22_23 R2	-	Wolverhampton
2022/23	SOLUTIONS BY JIGSAW LIMITED	Infrared Electric Boiler	45,101	Dudley
2022/23	GEN 2 CARBON LIMITED	R-LIGHTBIOCOM: New bio-based and sustainable raw materials enabling circular value chains of high performance lightweight biocomposites	288,724	Dudley
2022/23	Connected Places Catapult	Clean Futures	3,632,479	Dudley
2022/23	BLACK COUNTRY INNOVATIVE MANUFACTURING ORGANISATION	Clean Futures	2,554,193	Dudley
2022/23	APTISENS LTD	ECOLOGically sustainable NUTRIent management in agriculture aiming to prevent, mitigate and eliminate pollution in soils, water and air'	115,389	Wolverhampton
2022/23	TEXTILE RECYCLING INTERNATIONAL LIMITED	Autosort for Circular Textiles - ACT UK	42,246	Wolverhampton
2022/23	University of Wolverhampton	Systematic and orchestrated deployment of safety solutions in complex urban environments for ageing and vulnerable societies	365,621	Wolverhampton
2022/23	FLEXSEA LTD	Microalgae as a biomanufacturing platform for bioplastics	13,488	Wolverhampton
2022/23	GEN 2 CARBON LIMITED	FURHY: Fully Recyclable HYbrid bio-composite for transport applications	228,039	Dudley
2022/23	GEN 2 CARBON LIMITED	Advanced lightweight materials FOR Energy-efficient STructures	306,075	Dudley
2022/23	IBIOTECH LTD	Sustainable production of PHAs through valorisation of seaweed processing waste	20,318	Wolverhampton
2022/23	University of Wolverhampton	Cooperative and Interconnected Green delivery solutions towards an era of optimized zero emission last-mile Logistics	522,901	Wolverhampton
2022/23	HS MARSTON AEROSPACE LIMITED	SWITCH	861,477	Wolverhampton
2022/23	GOODRICH ACTUATION SYSTEMS LIMITED	Hybrid Electric Regional Wing Integration Novel Green Technologies - HERWINGT	103,761	Wolverhampton



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2022/23	GLOBUS METAL POWDERS LTD	Novel SOE architectures for hydrogen production	184,970	Sandwell
2022/23	JET ENGINEERING SYSTEM SOLUTIONS LTD	5G at sea: Providing Offshore Wind with Safety-Critical Communications	1,046,799	Dudley
2023/24	ADAS UK LIMITED	AGRONOMICS: spatial experimentation to transform research in agronomy worldwide	363,314	Wolverhampton
2023/24	SYMBIOTEX LTD	Up-cycling industrial waste to produce home-compostable biocomposites for sustainable cosmetic pots	49,189	Wolverhampton
2023/24	Birmingham City University	Birmingham City University and Canterbury Tools Limited KTP 23_24 R1	119,719	Walsall
2023/24	GOLDILOCK SECURE LIMITED	Goldilock Industrial - providing exponential increasing resilience of industrial and CNI networks.	203,368	Wolverhampton
2023/24	IBIOTECH LTD	iBiotech: Upscaling of Microbial Cellulose Production for Fast Fashion and Agricultural Applications	49,011	Wolverhampton
2023/24	Birmingham City University	Birmingham City University and Barton Storage Systems Limited KTP 2023_2024 R1	119,304	Wolverhampton
2023/24	University of Wolverhampton	VPTaaS: Cyber Penetration Test as a Service for Future Vehicles	31,995	Wolverhampton
2023/24	Birmingham City University	A Generative AI-Enabled Design Tool: Analysing problematic projects for improved productivity and cost efficiency	19,574	Sandwell
2023/24	APTISENS LTD	FUELSENS: Aircraft Integrated IoT Sensor for monitoring Sustainable Aviation Fuel quality	86,144	Wolverhampton
2023/24	GOLDILOCK SECURE LIMITED	Goldilock-Industrial: Pioneering Security Solutions for CNI	348,250	Wolverhampton
2023/24	GOODRICH ACTUATION SYSTEMS LIMITED	Development of Advanced Wing Solutions 2 (DAWS 2)	1,765,163	Wolverhampton
2023/24	GEN 2 CARBON LIMITED	High performance 3D-Li anodes with recycled and sustainably sourced carbon scaffolds	174,731	Dudley
2023/24	PALLET - TRACK LIMITED	Carbon and cost reduction for hub-and-spoke logistics	7,435	Wolverhampton
2023/24	APTISENS LTD	PROVIDE: Printed IoT Sensors for Vertical and Outdoor Farming Use	57,595	Wolverhampton
2023/24	ECO RESEARCH LTD	Improving access to sustainable energy in rural Pakistan using food and fiber agro-waste as a renewable fuel (SAFER)	80,024	Dudley
2023/24	MDCO LTD	RADWIPES - Performance and Cleaning Efficacy	7,505	Wolverhampton
2023/24	XSTRAHL LIMITED	FLASH Pre Clinical Dosimetry	10,795	Walsall
2023/24	Birmingham City University	Birmingham City University and James Lister & Sons Limited KTP23_24 R4	113,603	Sandwell
2023/24	PHOS CYCLE LIMITED	Expired Fire Extinguisher Powder Recycling - Process&Yield Innovations	181,002	Sandwell
2023/24	Walsall College	Black Country FE Innovation Service	214,901	Walsall
2023/24	City of Wolverhampton College	Black Country FE Innovation Service	145,032	Wolverhampton
2023/24	Dudley College/Black Country And Marches Institute Of Technology	Black Country FE Innovation Service	145,032	Dudley
2023/24	Halesowen College	Black Country FE Innovation Service	145,032	Dudley
2023/24	CHROMATWIST LTD	Modulating the ChromaTwist Dyes' Brightness: An Innovative Approach to Increasing Multiplexing in Flow Cytometry	325,752	Wolverhampton
2023/24	University of Wolverhampton	Cyber Cavalry: Unifying Cyber Ranges and SOC Operations through the Integration of Digital Twins and Generative AI	32,000	Wolverhampton
2023/24	FLEXSEA LTD	Turning traction into transactions for novel Net Zero materials	48,737	Wolverhampton
2024/25	NovNat Tech LTD	Hybrid Heatpump	341,566	Dudley
2024/25	MONTRES KLER LTD	Aerospace hardened EDI titanium watches	50,000	Sandwell
2024/25	BIRCHILLS AUTOMOTIVE (PRESSWORK) LIMITED	Sustainable decorative stainless steel bollards and barriers	40,430	Walsall
2024/25	FLEXSEA LTD	SWIFT: Seaweed Innovation for Filter Technology	17,533	Wolverhampton