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# Recognising the socio-technical opportunity of workplace: an analysis of early responses to COVID-19

## Authors

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James is a consultant, researcher and educator with a longstanding interest in workplaces and the impact that they have on people and organisations. He is a skilled and experienced researcher and evaluator and has delivered workplace consultancy for a range of clients. James is very experienced at designing and undertaking complex research evaluations involving both qualitative and quantitative datasets. He has published widely, in both academic and practitioner focused publications, and is particularly adept at providing clients with new insights and communicating those insights to people in ways that are engaging and easy to understand.

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Hannah is a Senior Lecturer in Research Methods at Liverpool Business School, Liverpool John Moores University. Hannah undertook her degree in Applied Psychology and then went on to complete her PhD investigating the impact of learning environments in 2017. There are three strands to her expertise, workplace strategy, pedagogy and work psychology, which are fundamentally related to adaptations that can be made to improve individuals' experiences and health within the work environment. Some of her current projects are; examining productive workplaces, coping strategies of project managers for dealing with difficult situations and teaching and learning on DBA programmes. She also has an expertise in research methods teaching and with experience in conducting research utilising both qualitative and quantitative methodologies. Hannah would welcome connections with those with overlapping interests, from both academia and industry.

## **Abstract**

COVID-19 has disrupted the ways in which we work, offering an opportunity to rethink our workplaces. Organisations have had to adapt and respond in unprecedented ways to enable continued organisational performance that have come to see many working from home. Early responses to 'return-to-work' have sought to repurpose existing workspace arrangements, but they miss the unique opportunity to reconceive 'workplace' more comprehensively, as well as the role the property community have in enabling work.

This paper aims to highlight the opportunity of viewing workplace holistically through the lens of socio-technical systems. An examination of the early responses to the pandemic identified a focus on the technical aspects of reoccupying workspaces, but taking from socio-technical systems, this should not be at the detriment to other factors. A more nuanced debate regarding who should return to work and how this will occur is presented, which highlights further a need to move beyond the physical workspace and to reflect on how we can enable ways of working.

## **Keywords**

*COVID-19, coronavirus, pandemic, built environment, facility/ facilities management (FM), socio-technical systems, workspace, workplace*

## Introduction

As with any major social, political and economic upheaval, the COVID-19 pandemic has sometimes revealed uncomfortable truths about the societies we live in, but it also provides us with an opportunity to question, challenge and rethink the way things should be done going forward.

Arguably some of the most striking examples of this 'rethinking' have been about the workplace. The pandemic has forced organisations to rethink their physical and virtual workspaces and grapple with their deep-rooted work cultures, and it has put a spotlight on people doing jobs that were previously taken for granted or overlooked.

It was contended at least two decades ago that 'work is no longer a place – it is an activity that can be conducted anywhere' (1). This has never been more pertinent for office-based workers as the pandemic we are currently experiencing has also given rise to a large-scale, and largely involuntary, 'experiment' in homeworking. With many workers being forced to work from home during lockdown and to renegotiate their work-life boundaries, there has been a flurry of opinion about what this might mean for the way organisations will work in future and what implications this will have for the workplace.

Organisations that have previously been slow to implement 'flexible working' arrangements (or have been opposed to them) have had little choice but to let their employees work remotely and more autonomously. When the old rules no longer apply, organisations have had to embrace the art of the possible and come up with solutions to enable their employees to continue working.

For instance, information technology (IT) solutions that would normally take months to implement have been rolled-out in a matter of days. Having seen how their staff can work more flexibly, some business leaders have begun to consider whether homeworking can become more commonplace, and therefore whether their organisations will require less, or perhaps different, workspace going forward.

At the time of writing, it is too early to tell, meaningfully, how effective the homeworking 'experiment' has been for many organisations, and what the medium and long-term implications will be for built environment industries specifically (including, for example, corporate real estate (CRE), Facilities Management (FM) services) or the economy more generally. However, the way in which the built environment industry has responded to the crisis has been revealing.

This paper considers an analysis of early responses, both from the built environment industry as well as business leading examples from other sectors, and then discusses the implications in terms of Trist and Balmforth's notion of socio-technical systems (2). It suggests that, by focussing almost wholly on technical aspects, the built environment industry fails to recognise the opportunity to demonstrate organisational value beyond making buildings and workspaces 'COVID secure'.

This is hardly surprising given the evolution of the sector and more specifically the FM profession over the last 40 years. The paper observes how FM has moved away from a heritage in what early pioneers outlined as 'expert workplace management' (3) which recognises workplaces as the *social* and *distributed* rather than purely physical spaces where people use the tools available to them to get their work done.

The COVID-19 pandemic may offer a 'make or break' moment for FM, and those claiming workplace expertise, to reprise and develop a genuine workplace contribution. This would necessarily require changes in knowledge, skills and behaviour. Otherwise, post-pandemic,

much of the built environment industry risks becoming side-lined and undervalued, as many within the facilities management profession feel they are today (4). It would be beyond disappointing to look back and acknowledge a failure to act on the opportunity. The paper therefore concludes with some suggestions toward ongoing organisational relevance.

## Early responses to COVID-19

Amidst evolving Government advice regarding working arrangements, and the imminent potential for varying sectors and professions to return to work, many CRE and FM providers rapidly developed and issued 'return-to-work' guidance. A thematic analysis of eight 'return-to-work guides' (figure 1) produced during the initial weeks of the UK epidemic shows that five overall themes dominated: buildings (physical space, systems, equipment); cleaning (enhanced disinfection methods and standards); workspace (distancing and density); management (change management, risk); and work (points regarding employee transitions) (5). Similar guidance has been issued in other countries too, for example in the United States (6), Australia (7) and Canada (8).

Making the qualitative distinction between workspace (as physical) and workplace (as social) (9), it is clear that such guides tend to focus on the built environment and the configuration of the workspace within it, rather than truly helping organisations navigate the wider challenges of work and workplace. They typically ignore or avoid questions relating to the future of work and how best to support it. For example, in contrast to the granular detail regarding an organisation's physical space, there was scant consideration of cultural and technological elements, both key to organisational performance (9).

Considering workplace as a necessary (and inevitable) interplay between the social (cultural) and the technical (spatial and technological), workplace can be conceived as a socio-technical system. This concept was introduced in the 1950s as a way to better understand the complexities of organisational performance in a systemic way. Seminal studies from the Tavistock Institute (2) examining productivity in workplaces identified that the *interactions* within social and technical systems contribute to work outcomes. This early work revealed the necessity of considering both the technical system (processes, tasks and technologies) and the social system (workgroup attributes and the authority structures (10). A focus on one can ultimately be detrimental to the performance of the system overall (2).

In this current situation, the early industry responses to COVID-19 appear to be focused predominantly on the technical. There are likely to be a range of reasons for this but – echoing the lessons from systems thinking – dominating technical factors should not be at the expense of considering the needs of the employees and how best to support them (11). Put more simply, while clearly practically useful, such guidance may have missed a patent opportunity in that they focus on how to get people back into buildings, rather than encouraging the genuine consideration of whether they need to be there in the first place, and why.

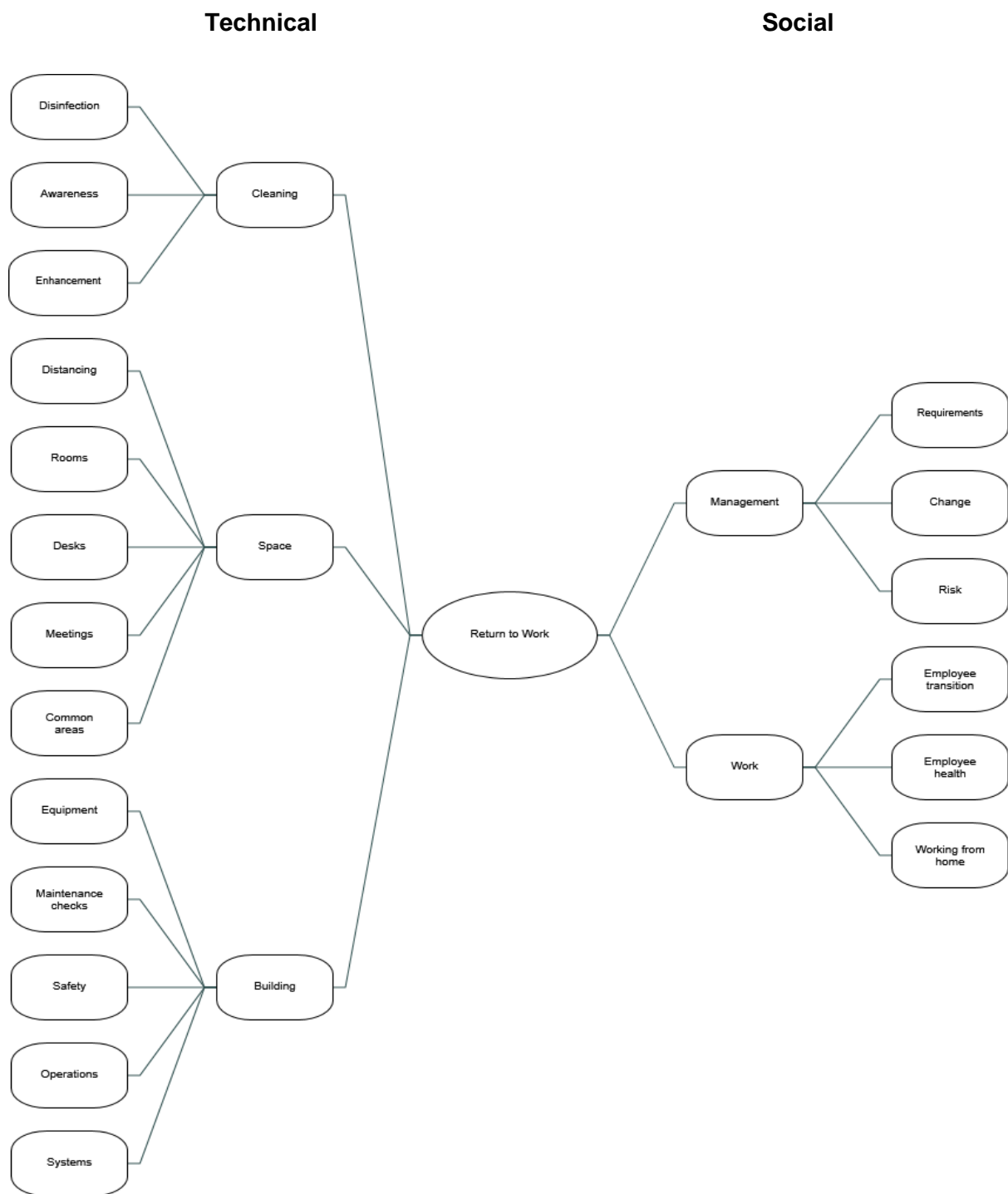


Figure 1: thematic analysis of recent return-to-work guidance documents (adapted from (2))

## Beyond workspace

For some, this focus has created frustration with an industry that fails to recognise that the balance has shifted, perhaps irrevocably, between corporate, home, and other ‘third’ spaces. Accepting and embracing this perspective would require organisational workplace strategies

and operational approaches to become more accommodating and holistic, not just in service of corporate buildings.

Some organisations have already publicly declared their intentions regarding different approaches to work and therefore their corporate accommodation. For instance, Canada-based online retailer Shopify's CEO announced that 'Until recently, work happened in the office. We've always had some people remote, but they used the internet as a bridge to the office. This will reverse now' (12). Facebook have already announced that it would support remote working for those who could until the end of 2020, regardless of lockdown protocols, with sites being reopened at 25% capacity in the meantime for those who need to be on-site (13). Facebook also recently revealed footage of their augmented office environment using mixed reality technology (a combination of digital and physical environments) (14). Clearly, for many in the technology sector the commercial opportunity of the pandemic has not been wasted.

These examples potentially represent the extreme in a spectrum of potential responses, particularly as both are digital organisations applying similar principles to their working environments as they do to their customer interfaces. However, there are other sectors also suggesting change is afoot. Barclays CEO became one of the first leaders of a major brand to provide critique on occupation strategies, suggesting that big, city centre offices 'may be a thing of the past' (15). Although perhaps not to the extreme as digital giants such as Shopify and Facebook, Barclays could have some property agencies looking nervously over their shoulder and indicate why some have predicted difficult times for the sector (16).

## Enabling work

The discourse playing out in the news and on social media appears centred around a single binary choice: work from home or work in the office (clearly, this is also a relative luxury in a pandemic for organisations and business sectors where homeworking is possible). Again, this has frustrated some, particularly those who embrace the holistic implications of workplace management.

Such workplace advocates might suggest the answer is not simply to reduce, or remove, corporate spaces and expect a workforce to work from home. Until December 2019 only around 30 percent of the UK workforce had *ever* worked from home (17), implying some 23.9 million people were asked to do it for the first time as the lockdown was announced. 2019 data gathered in the United States suggested that only 7% of private sector workers and 4% of public sector workers were allowed to 'telework' (18). Inevitably, the sudden move to home-working en masse has therefore had mixed results.

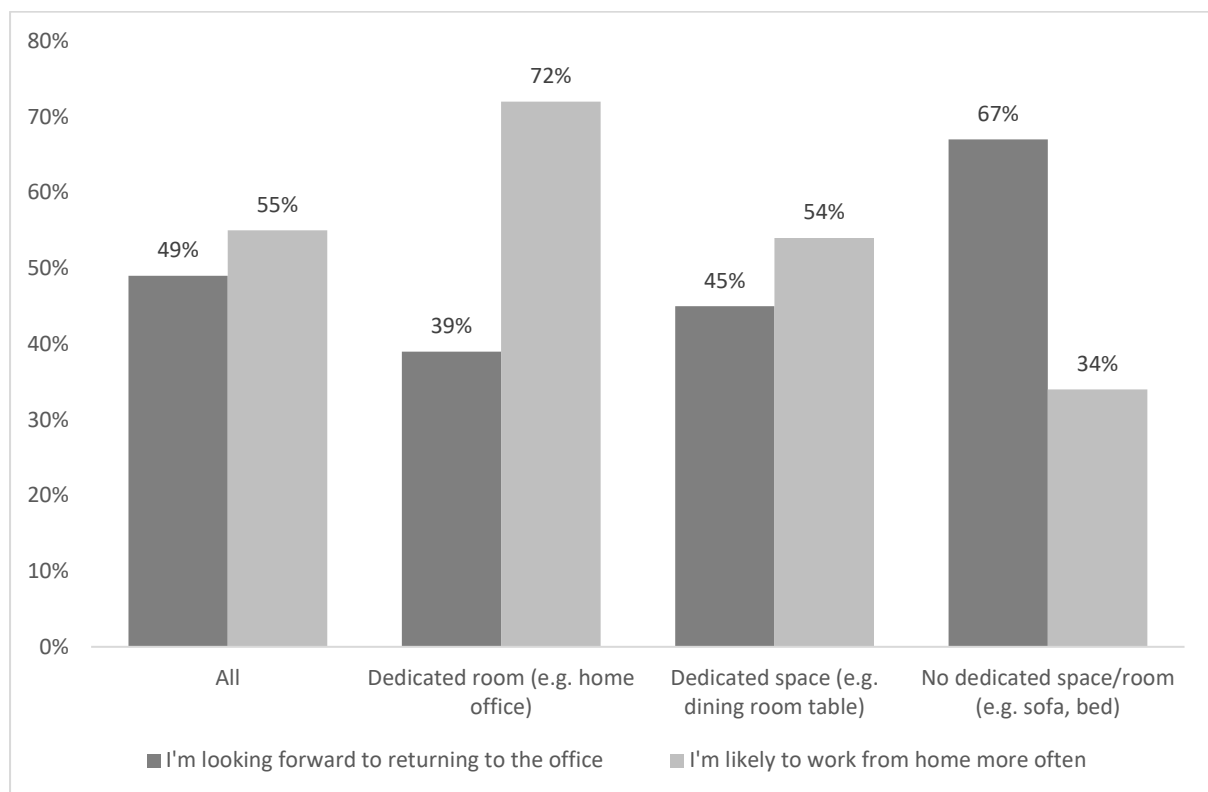
According to other recent data from the UK, 49 percent of workers are looking forward to getting back into the office, while 55 percent agreed that this period has encouraged them to work from home more often post-lockdown (19). These figures are also reflected in data collected elsewhere. For instance, a survey of workers in the United States in March and April revealed that 59% of people would like to work remotely as much as possible once Covid-19 restrictions have been lifted (20), with 41% of people preferring to work in the office as much as they previously did.

In the case of the UK data, one of the key differences between whether or not workers are looking forward to getting back into the office seems to be their homework-settings (figure 2), with those that have access to a home office workspace, a quarter of respondents, stating they are more likely to work from home in the future (72 percent) and less likely to be looking forward to going back to the office (39 percent) (21).

In stark contrast, for the 15 percent of respondents that are not working in a dedicated home workspace (for example from a sofa or a bed) this pattern inverts, with respondents much less likely to want to work from home (34 percent) and subsequently much more positive in terms of wanting to return to the office (67 percent) (21). Between these two groups, almost half of respondents (49 percent) report a dedicated home workspace but no office (for instance a dining room or kitchen table). Of these, 54 percent state that they are likely to work from home more often and 45 percent are looking forward to returning to the office (21).

Consequently, as organisations offer guidance to those assessing how they get employees back into their corporate workspaces, the question that may be more appropriate is not how, but *who*. The data suggest far more nuanced implications for different social demographics and geographical areas than have previously been recognised by the industry. Again, from a socio-technical workplace perspective, the impacts may be complex and significant.

Figure 2: Preferences to continue working from home post-lockdown (adapted from (21))



Asking questions about who needs to return and who might not be able to return require careful deliberation. In some cases, it may be clear who should make up the initial wave of re-entry, but there are many factors that need consideration when inviting employees back into the workspace. These include, for example, employees' ability to continue working from home, organisational factors and not least the medical profile of staff, but thus far such awareness and guidance appears to be in short industry supply (22).

Echoing the dominant binary discourse of home or work, two major groups have been identified in the post-pandemic workforce; on-site employees and those who may not come back to site. In reality, on-site employees actually belie several subgroups: those who never



left, those who will be first to return by necessity, and then remaining employees who will return in a steady flow over time. These groups will all require a unique set of adjustments in the way they work. For this to transpire successfully, employees must, above all, feel safe to return to the workplace.

This apparent lack of depth to the 'return to work' debate, it could be argued, points to a gap in the organisational structure: a role responsible for the workplace experience regardless of where it takes place. One that transcends property strategies or FM service operations and, instead of looking at the space implications of post-lockdown reoccupation, considers what future employee experience looks like in the coming months and years, *beyond* as well as within a traditional organisational workspace remit.

This is reflected in further data from the same homeworking study (19). When employees were asked what they were looking for from their employers to support better homeworking in the future, help in creating a productive working environment came out with the most agreement (30 percent). This was ahead of better IT support (24 percent) and clearer flexible working policies (20 percent). The challenge, it seems, is it is unclear in organisations who would be responsible for such a remit. If it were FM, or another member of the built environment fraternity, would the focus remain on the technical (for example health and safety and compliance) rather than the socio-technical workplace opportunity to systemically enable productive work?

There is evidence, however, that FM is beginning to recognize the need for a role that goes beyond physical organisational workspace. For example, recent research indicates that some FM's see their role as 'enabling people to work wherever they need to', rather than 'managing the spaces where people work' (9). This suggests a future focused recognition of what can be evidenced as some of the earliest foundations of the FM profession (3).

## **Expert workplace management**

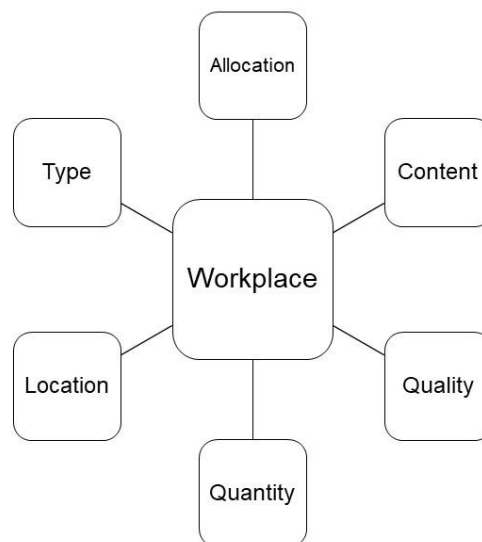
The impact that a workplace can have on organisational performance has previously been expressed many times. One such recent account advocated for the role of 'chief workplace officer' (CWO) in response to the challenge of ownership within the organisation (23). This new, holistic role (or at the very least awareness in principle) within organisations would act as a 'super-connector' that combined CRE, Human Resources (HR), IT and FM organisational functions. For a number of years different 'tribes' within the built environment have extolled the role of the workplace concept, albeit in line with their primary physical workspace focus. This of course risks restricting workplace matters to the technical sphere of thinking.

An early definition of FM as 'expert workplace management' (3) has the closest affinity with how workplace has been positioned in this paper. This is further evidenced in isolated past articles charting either FM's history or proposed futures at the time, with FM being described during the 1990s as 'a belief in potential to improve processes by which workplaces can be managed to inspire people to give their best, to support their effectiveness and ultimately to make a positive contribution to economic growth and organizational success' (24).

During the 2000s the focus on a holistic notion of workplace was still present, succinctly defined as 'the integrated management of the workplace to enhance performance of the organisation' (25). In this definition, 'integrated' came from the authors' work to codify various definitions and distil them down into the various aspects of workplace management (figure 3) that were considered key issues (25). These are still key considerations for

organisations today, but many of these decisions will not be within the remit of the FM department.

Figure 3: key issues in FM (adapted from (25))



The only aspects that date these early descriptions is the preoccupation with the physical organisational workspace, but at the time flexible working was only beginning to receive attention (26). This preoccupation may go some way to explain the focus in today's 'return-to-work' guides.

But the concept of integration perhaps points to why workplace strategy continues to be regarded as a subset of other professional disciplines. It has been highlighted that FM requires multiple skill sets (25) which results in an array of professional disciplines coming together and it was suggested that each of these professional disciplines attempt to promote their own body of opinion (27). It has been recognised that whilst it is important to recognise these professions, and their contribution, within this function, it is equally important to recognise the need for an overall strategic approach (24).

## **Don't waste a good crisis**

The FM community, like many professions, often calls for a presence in the boardroom. However, the reality is that outside of financial roles, the structure of a board will depend

largely on the structure and mindset of the organisation. A seat isn't a given right: it must demonstrate business value and be contextually relevant. This desire to be in the boardroom is closely related to the commonly heard assertion that 'FM needs to be more strategic', which seems more about relative importance than long-term strategic planning per se (4). It reflects an industry that seeks recognition as a value contributor, in order to move away from commoditisation – the tragedy of the commons that has befallen it over the years – and a professional community that wants more recognition for their contribution within organisations.

It was the combination of these ideas, the growing interest from organisations in workplace matters, and FM's desire for more strategic relevance that sat behind the British Institute of Facilities Management (BIFM) repositioning as the Institute of Workplace and Facilities Management, in recognition of the headline socio-technical importance of the workplace, not as a subset of something else.

The reality is that change will only come about because of actions rather than words alone. Rather than just talking about being different, the profession needs to be different and this will mean individual facilities managers acting differently. This will inevitably be uncomfortable and challenging, because almost all change requires additional effort and resource.

One action is to start thinking more holistically about the workplace and how FM operations (whether outsourced or not) can enable it. Rather than seeing workplace purely in physical terms, FMs need to understand the sometimes-subtle relationships between the spatial, cultural and technological aspects of workplace – and how these relate to the needs of the organisations those workplaces support (9).

To think about workplace in these socio-technical terms requires new competencies, ones that combine behavioural sciences alongside technical expertise; cultural and digital competences, in addition to spatial ones. To demonstrate broader relevance and impact to organisations, the ways in which workplace impacts are measured must develop beyond an intrinsic property/financial focus toward the ability to support individual and organisational performance. Such metrics that are currently more closely aligned with and more likely to sit within a HR function.

Indeed, HR provides an example for how a profession can seek to re-position itself, with a view to becoming more business-relevant and ensuring it remains fit for the future. In 2018, The Chartered Institute of Personnel and Development (CIPD) launched its New Profession Map, which included capabilities such as analytics and 'creating value'. It has also taken to describing itself as the 'people profession', thereby placing people at the centre of what the profession is about.

The COVID-19 pandemic has shown the critical role that today's FMs, and built environment industry professionals more generally, can play in organisations beyond 'keeping the lights on' during lockdown and helping people return to organisational workspaces safely and stay healthy during recovery. These contributions are clearly vitally important, but as organisations cautiously explore what a new 'normal' might look like as they try and make sense of the post-pandemic world, there's an opportunity for a new socio-technically aware profession, inspired by a formative conception of workplace that has been there all along, to emerge and to contribute proactively to discussions about the future world of work.

Such discussions need to be underpinned by robust research into how peoples' relationships with work and the workplace have been affected by the Covid-19 homeworking 'experiment' – and the degree to which these changes signify a temporary modification or a more

enduring shift to the world of work. Most of the research conducted during the pandemic has taken the form of 'headline grabbing' surveys, which while useful tend to focus on the what rather than the why. Future research in this area could therefore seek to develop a much richer picture of workers' attitudes and lived experiences and explore what implications these will have for the future of workplace.

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