

COTAC Insight 2n: The Need to be Aware of the Built Heritage

Exploring ICOMOS Education and Training Guideline (n): Be able to work with inhabitants, administrators and planners to resolve conflicts and develop conservation strategies appropriate to local needs, abilities and resources.

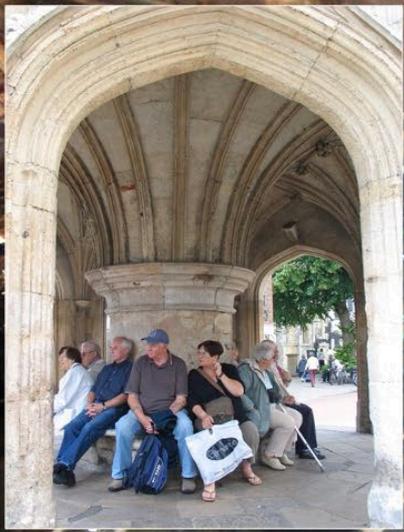


Project based decisions are usually initiated when client owned assets are being considered for alternative use options in order to ensure their continued existence. These discussions must cover what constraints will need to be addressed during option considerations.





Initial safe access allowing inspection and recording can be complex and costly: It is necessary however, to inform decision processes in anticipation of a project.



The scale and degree of public access across many heritage assets is considerable. Recognising respective significance and value of each asset is key to working with those who may be engaged in any decision making process.



Architectural fashion, trends and function can change significantly over a relatively short period of time. Currently an improved awareness of the significance and worth of the Heritage exists: This stimulates a requirement to improve ability to interpret and promote worth by all those involved in conservation.

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Cymru Hanesyddol
Historic Wales Cymraeg Search



Welcome to Historic Wales, the map enabled portal for historic environment information in Wales. You can search hundreds of thousands of records of Welsh archaeology, buildings and artefacts.

This site is also available in Welsh.

Supported by:
Royal Commission on the Ancient and Historical Monuments of Wales
Welsh Archaeological Trusts
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- ▼ The National Monuments Record of Wales (NMRW)
- ▼ Welsh Archaeological Trusts' Historic Environment Records
- ▼ Depictions of Listed Buildings
- ▼ Depictions of Scheduled Monuments

HERITAGE GATEWAY Site Map Text size: A A A

welcome

You are here: [Home](#)

Search for information on England's historic sites and buildings, including images of listed buildings.

This website allows you to cross-search over 60 resources, offering local and national information relating to England's heritage. Click [here](#) for full details of the range of records that you can search on this website

PastScape results now appear as Historic England Research Records. [Further information on Historic England Research Records](#)

Quick Search

Use this to carry out a simple search by building name or location. To carry out more complex searches use the [more detailed search](#)

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Please note that local HER records contain much more detailed information than is currently available here. Please contact the relevant authority direct for all planning matters or queries relating to their records.

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Department for **Communities**
www.communities-ni.gov.uk

Buildings (v1.0)

The Northern Ireland Buildings Database holds information on over 9,000 historic buildings and each building is recorded individually. Most of these buildings have been listed for their special architectural or historic interest. Those that are not listed have been recorded as 'record only' on the database as part of the Second Survey of Northern Ireland's buildings. Whilst these buildings did not meet listing criteria many nevertheless make a valuable contribution to the built heritage or record thereof.

The level of information available on each building differs as NIEA; PHB is updating current records by undertaking a Second Survey of buildings in Northern Ireland. The information available on buildings on the database which have been second surveyed is of greater detail.

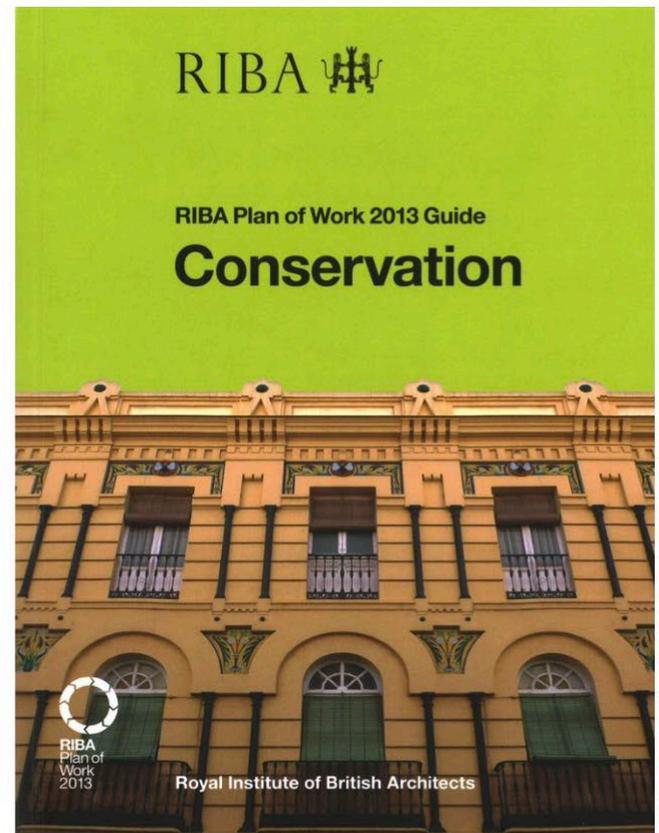
Using the Database

To use the database please apply one of the following options:

1. Choose the council by using the dropdown lists
2. Enter an address, keyword or phrase
3. Enter the HB number if known

<https://www.heritagegateway.org.uk/gateway/default.aspx>
<https://historic-wales-rcahmw.hub.arcgis.com>
<https://apps.communities-ni.gov.uk/Buildings/buildMain.aspx?Accept>
<https://canmore.org.uk>

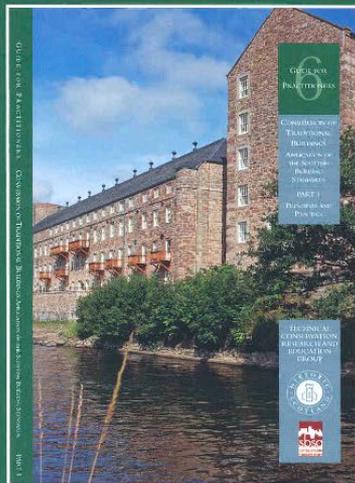
All four Home Country official Heritage Bodies provide on-line access to a variety of portals giving details of their heritage assets. In many situations these resources provide relevant details and information that can guide working with local communities and other interested parties in making relevant decisions on how the asset should be cared for.



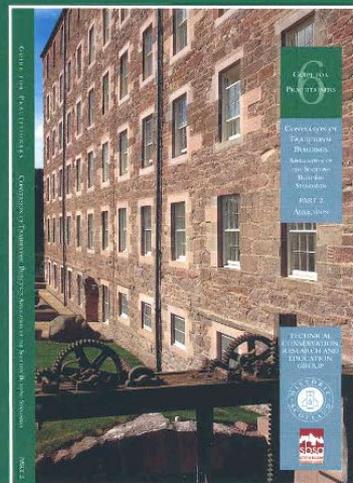
The effective delivery of a project involving a historic building requires a considered approach which adopts a joint understanding of historical significance and conservation principles as the basis for decision-making. At the heart of current procurement strategies is the Project Team; jointly involving client, design team and contractor. The RIBA's Conservation orientated Plan of Work adopts and overlays this strategy, on top of longstanding professional guidance on how to undertake heritage projects in an integrated manner, whilst also incorporating ICOMOS Guidance considerations.

CONVERSION OF TRADITIONAL BUILDINGS

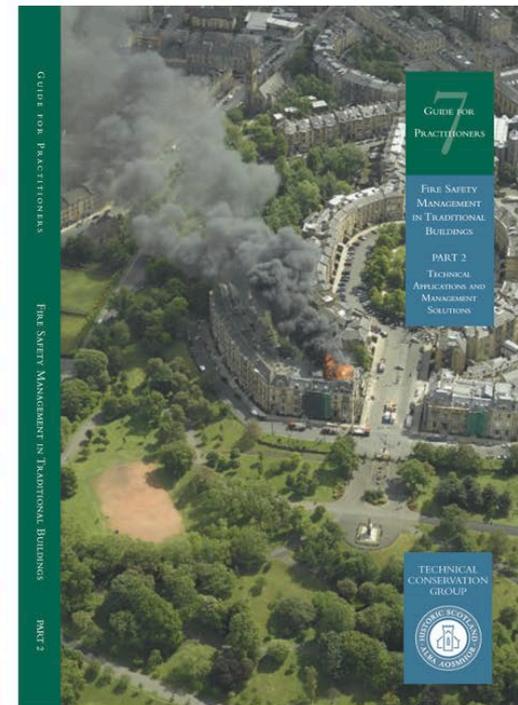
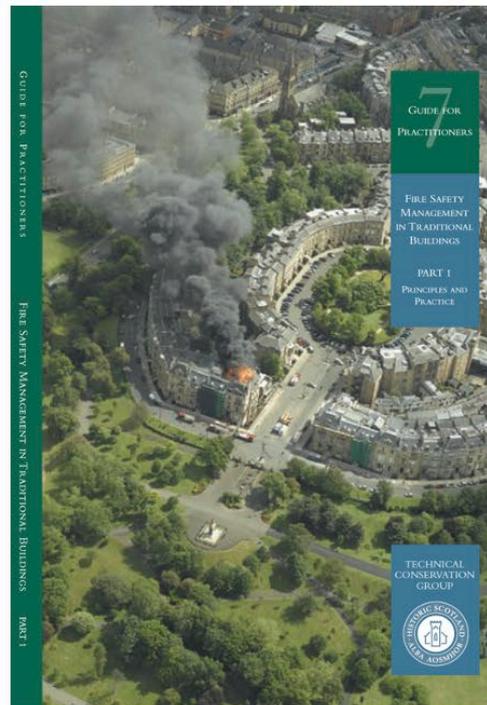
APPLICATION OF THE SCOTTISH BUILDING STANDARDS



PART 1
PRINCIPLES AND PRACTICE



PART 2
APPLICATION



Interpreting building standards and legislation is a key part in determining their applicability to projects. Generally, such documents are primarily prepared from a 'new-build' perspective. However, some official Scottish guidance has been prepared to integrate that with a greater appreciation of conservation requirements, including:

Practitioners Guide 6: Conversion of Traditional Buildings Parts 1 & 2

This guide aims to provide advice to practitioners, developers, building owners and local authorities regarding the application of the Building (Scotland) Regulations 2004 to the conversion of traditional buildings.

<https://www.engineshed.scot/publications/publication/?publicationId=86c6c669-6415-4f0c-a421-a5bd00c39797>

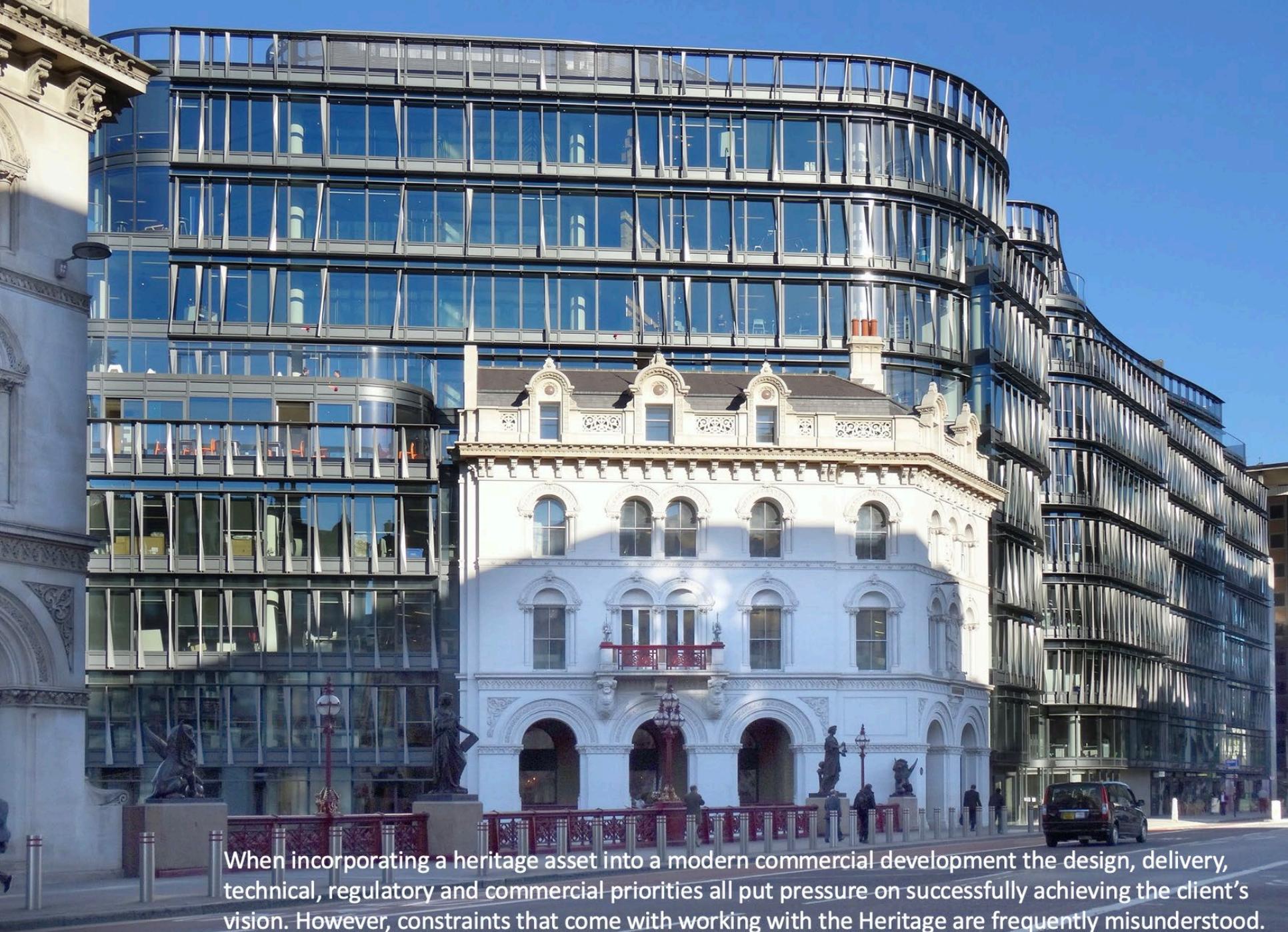
Practitioners Guide 7: Fire Safety Management in Traditional Buildings Parts 1 & 2

This guide considers the identification and assessment of fire risk with advice on its management and appropriate technology consistent with accepted conservation principles and an overview of legislation.

<https://www.engineshed.scot/publications/publication/?publicationId=7300097e-415f-4d27-a5fe-a5ad00ab8501>



The Mill Hotel is located in the heart of New Lanark World Heritage Site. Through discussion and agreement, considerable attention was given to maintaining the historic authenticity of the village. No aerials or satellite dishes are allowed, with telephone, television and electricity service delivered by underground cables. Providing a consistent appearance, all external woodwork is painted white, with doors and windows following a standard design.



When incorporating a heritage asset into a modern commercial development the design, delivery, technical, regulatory and commercial priorities all put pressure on successfully achieving the client's vision. However, constraints that come with working with the Heritage are frequently misunderstood.



Sourcing previously used traditional building materials to undertake matching repairs can present significant difficulties, especially where supplying quarries have, in the interim, become protected Sites of Special Scientific Interest and are no longer accessible. Such circumstances can dictate that compromised technical decisions may have to be reached on what materials can be used





Historic 'stage sets' within heritage assets require sensitive design and must be supported by research findings. Other considerations like fire safety including fire precautions, lighting, heating and ventilation all need to be achieved through collaborative working.

**Prevention
better
than cure**



Since 1973, the Netherlands have operated with an organisation called *Monumentenwacht*. A non-governmental body whose remit is to prevent the deterioration of historic buildings by regular building inspections, exercising immediate holding repairs and giving owners recommendations on maintenance needs of each building. Its motto is "*Prevention is better than cure!*". As a result of regular inspections and relevant recommendations owners became more aware of the financial and cultural-historical benefits of the approach and have become more committed to follow the recommended advice. This has led to a proven improvement in the general condition of the country's historic building stock whilst, at the same time, reducing potential future maintenance costs. Such collaborative success could be beneficially explained, promoted and rolled out across other areas.

Digital solutions in the field of cultural heritage



A Policy Brief from the Policy Learning Platform on Environment and resource efficiency

August 2018



https://www.interregeurope.eu/fileadmin/user_upload/plp_uploads/policy_briefs/2018-08-06_Policy_brief__on_digital_technologies.pdf



Cultural heritage Digitisation, online accessibility and digital preservation

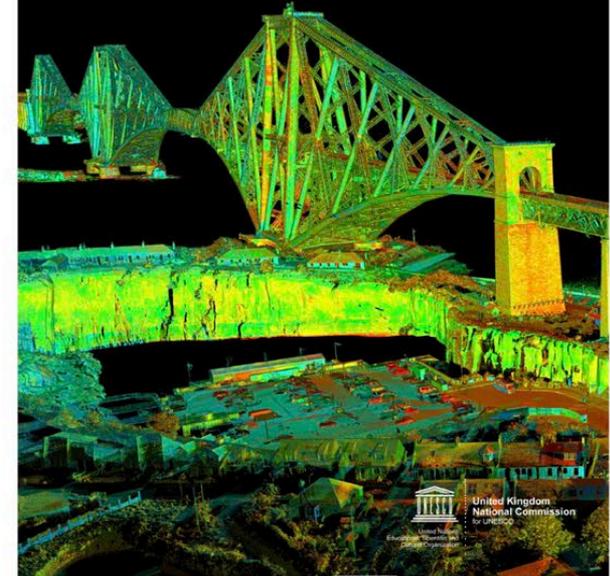
REPORT on the Implementation
of Commission Recommendation 2011/711/EU
2013-2015

Cover image: Albert Edelfelt's 'The Luxembourg Gardens, Paris', Finnish National Gallery. Source: europiana.eu
Back cover image: Raphael's 'Sposalizio della Vergine', Pinacoteca di Brera (Milano). Source: europiana.eu

http://ec.europa.eu/information_society/newsroom/image/document/2016-43/2013-2015_progress_report_18528.pdf

Cultural Heritage Innovation

Opportunities for international development



<https://www.unesco.org.uk/wp-content/uploads/2019/07/Cultural-Heritage-Innovation-2.pdf>

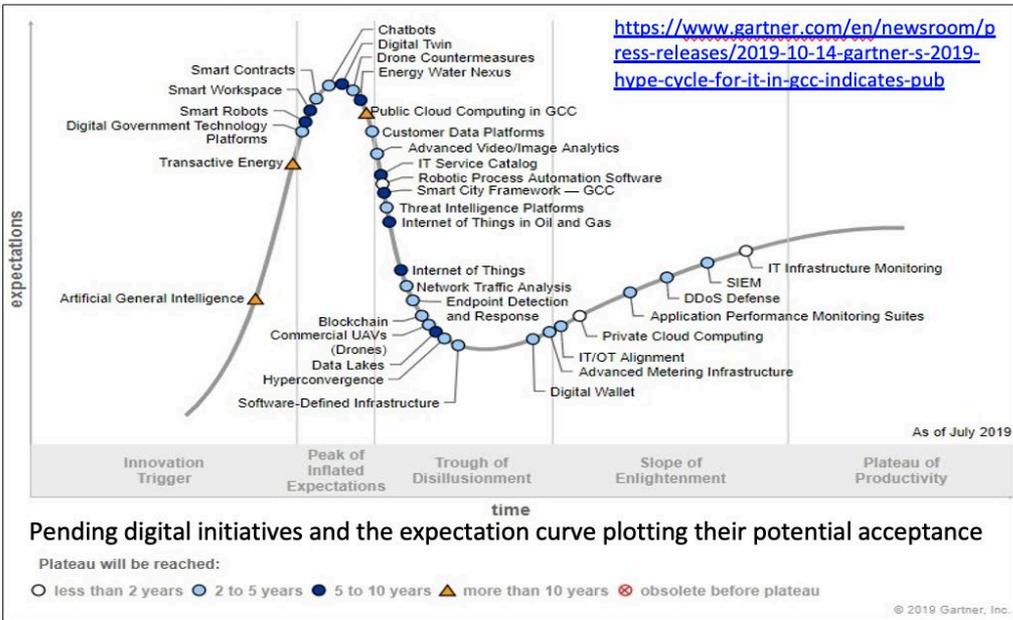
In the immediate future, significant digital changes are advancing over the horizon that will call for adjustments in the way matters are dealt with. The technological calendar for the 21st century is anticipating that 2020 will be a key year. The Gartner Consultancy (specialists in Information and Communication Technologies (ICT)) is predicting the arrival of some of the most eagerly-awaited innovations of the last decade. Detailed in its report 'Top 10 Strategic Technology Trends for 2020' these newly defined innovations include:

Hyper automation
Human perfection
Hybrid clouds
Artificial Intelligence (AI)

Multi-experience
Transparency and traceability
Autonomy of things
Cybersecurity

Democratisation of the use of technology
Edge computing
Blockchain

The popularisation of AI and machine learning will bring new challenges to information security since they will also considerably increase system vulnerability. What is being developed in new-build construction creates an inevitability that it will also impact on management of heritage assets. This makes it essential to develop an ability to adopt and learn how to communicate using a new form of language.



Technology
Wasps show the way for printed houses in Italy

27 October 2019 | By Andrew Piring



Technology
Bricklaying robot to produce demo homes

29 October 2019



Q-Bot works beneath suspended timber floors



Technology
Japanese droid can screw in drywall panels

3 October 2019 | By BIM+ staff



What is less clear is how advances in robotics and pending expectations within the new-build industry can be dealt with across the broad range of heritage issues and the abilities of those who will be involved in the future to cope with them.

In pursuing the need to appreciate *'Guideline(n): Be able to work with inhabitants, administrators and planners to resolve conflicts and develop conservation strategies appropriate to local needs, abilities and resources.'*, amongst other sources, accessing a number of related publications as indicated above, can be helpful in determining what might need to be considered and taken into account.

In addition a number of Guideline-specific URL links are offered on the COTAC Global website under the Menu tab *'Digital Bibliography'* at *'n. Working with local groups'*. See: http://www.cotac.global/digital_bib/



THE ICT TERMINOLOGY YOU NEED TO KNOW IN 2020



Mixed Reality
Combination of virtual reality and augmented reality. It is also known as **hybrid reality**.



Robotic Process Automation (RPA)
Copies the actions of a human being by interacting with the **user interface** of a computer system.



Business Intelligence
Applications and tools that allow access to and analysis of information to **optimise decisions** and business performance.



Marketing Automation
Process through which different stages of marketing are automated using **software platforms**.



Smart Contracts
Contracts that execute themselves, i.e. without intervention, and are written in **programming language**.



Edge Computing
Computer model that puts **data storage** closer to where it is needed, to improve response times.

 IBERDROLA

ICT TRENDS 2020

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