

Laboratory Design Good Practice Principles

Process

1. Have an effective & inclusive decision process.
2. Ensure that the design & its implementation properly considers lifetime use of the space.
3. Ensure that there is a good understanding of all relevant regulations & good practice measures & that these are met in practice.
4. Ensure that the design specification & intent is implemented properly.

Configuration & Work Practices

5. Ensure adequate & effective space for write up, technical support, logistics, storage & maintenance.
6. Explore opportunities to reconfigure working practices & maximise interaction to take advantage of refurbished space.
7. Optimise siting & monitoring of dangerous &/or resource intense activities & equipment.

Ventilation & Containment

8. Ensure safe working conditions in both contained & general laboratory spaces.
9. Ensure that ventilation can be varied in response to user demand.
10. Ensure that ventilation equipment & configurations are as efficient as possible.

Health, Safety & Well-being

11. Ensure adequate lighting & maximise daylighting & visibility.
12. Ensure that health & safety is a key influence on project decisions.

Equipment & Furniture

13. Ensure that all equipment is fit for purpose, right sized & right sited.
14. Ensure that all equipment provides value for money on a lifetime basis.
15. Ensure that all furniture, fixtures & finishes are suitable for laboratory environments.

Laboratory Services

16. Explore potential for centralised support systems.
17. Minimise waste & manage effectively.
18. Minimise requirements for water usage.

Laboratory Operation & Management

19. Ensure that the future management & operation of the refurbished laboratory is a key influence on project decisions.
20. Identify & ameliorate threats to business continuity.
21. Identify & properly consider opportunities to improve use & management of chemicals, consumables, materials & samples.
22. Ensure that use of electricity & water can be monitored, managed & minimised.

Source: <http://www.effectivelab.org.uk/lab-design.html>

Bulb Interiors Ltd, Priory Court, Wood Lane, Beech Hill, Reading, Berkshire, UK, RG7 2BJ
www.bulbinteriors.com +44 (0) 118 988 9200