

Design For Healthcare

The Development of an International Benchmark for Healthcare Facilities

Allowing for Local and Cultural Variations

Design & Health 11th World Congress and Exhibition

Hong Kong, July 2015 | Andrew Marks



— Agenda

- Introduction
 - Existing guidelines
- The importance of benchmarks
- The impact of regional diversity
- Approach to healthcare guideline development
- Localizing the benchmark



Introduction



Existing Guidelines

- Literally hundreds of healthcare design guidelines
- Regular review and revision
- Location / environment specific?

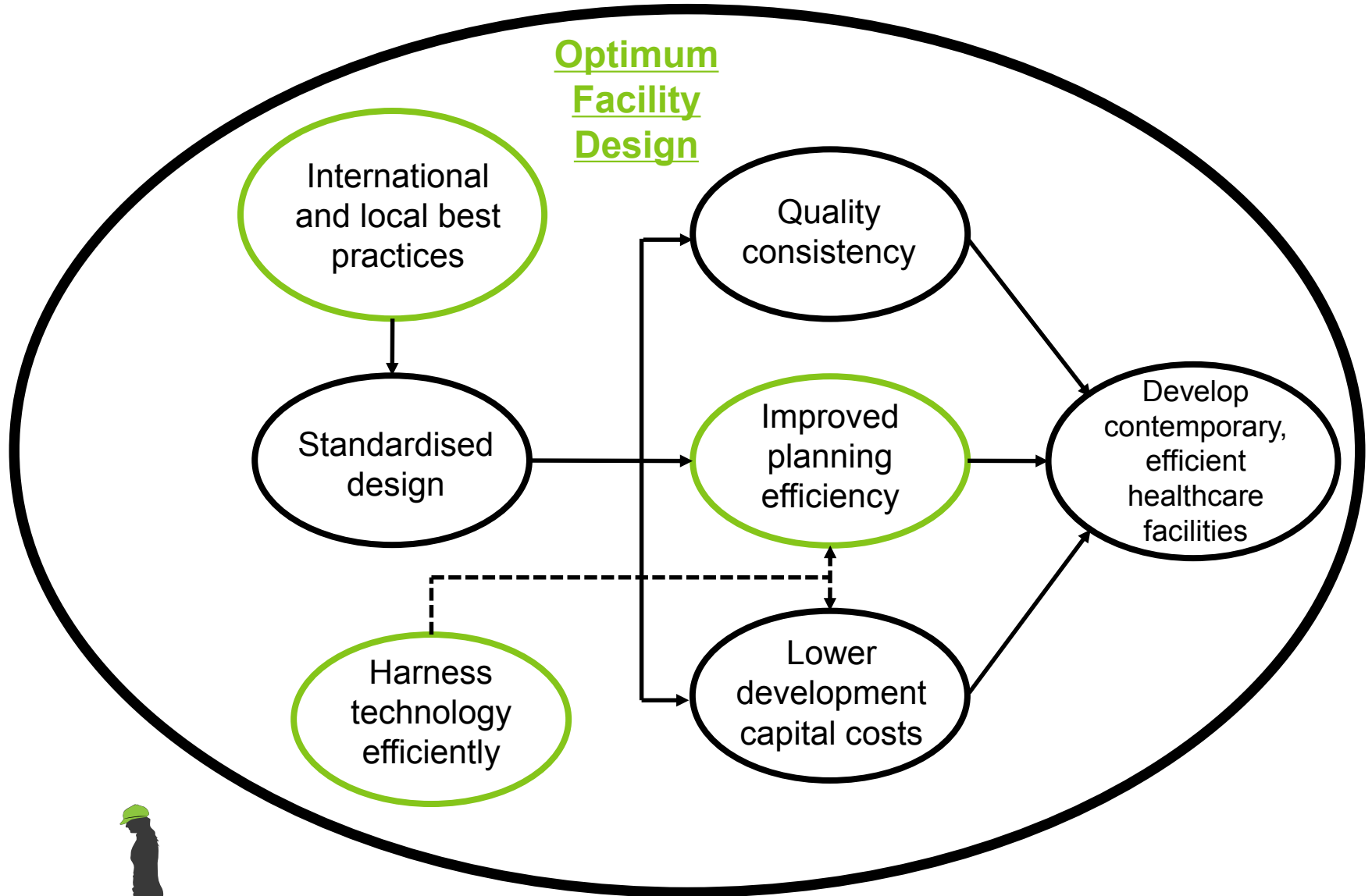


The Importance of Benchmarks



Benchmark Drivers

Optimum Facility Design



Why are Benchmarks Needed?

- Benchmarks provide a 'framework of boundaries'
- To provide healthcare specific guidance
- Ensure a universal level of quality is achieved



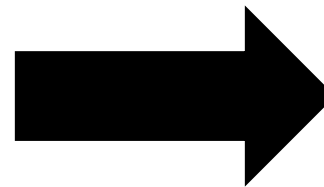
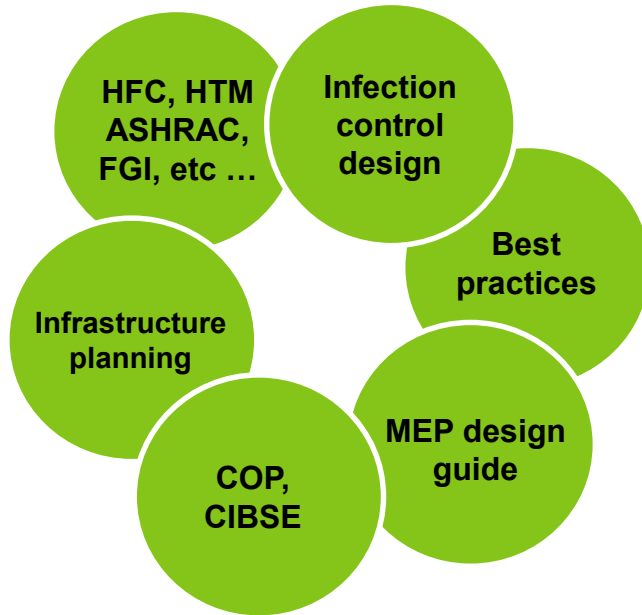
The Impact of Regional Diversity



Regional Diversity in Asia



→ The Way Forward



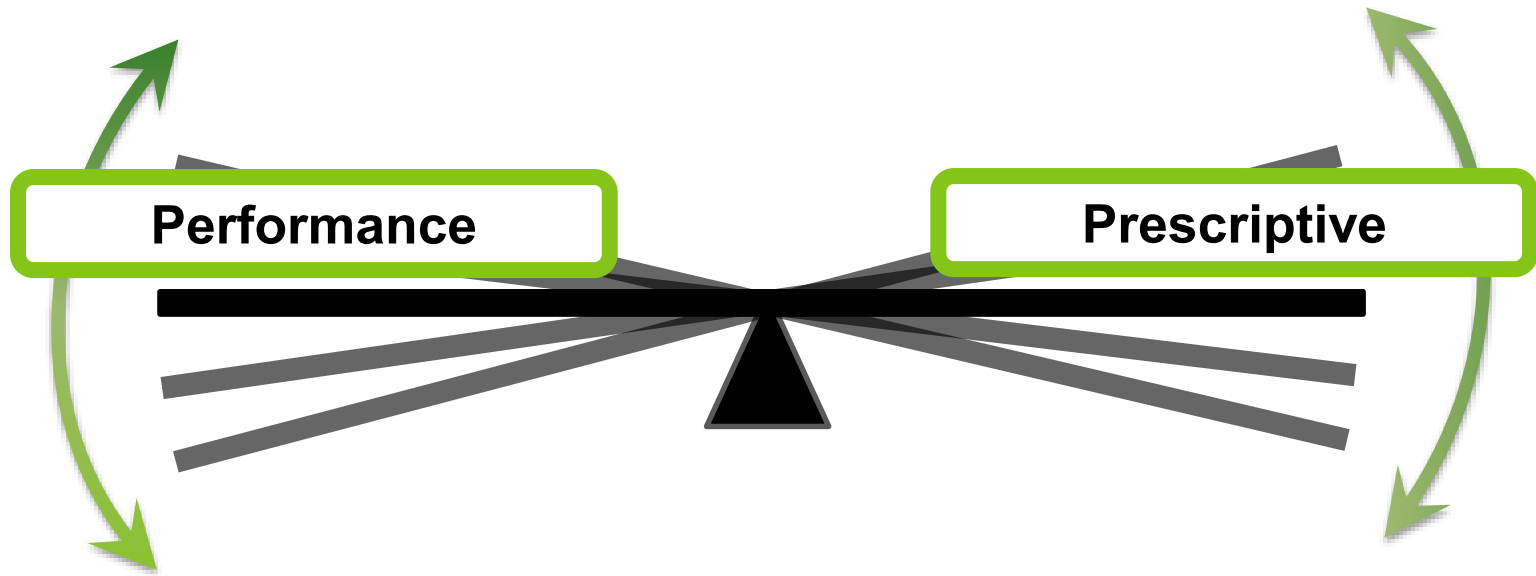
Integrated
healthcare
design &
facility
guidelines



Healthcare Guideline Development



— Benchmark Approach



— Prescriptive Approach



- A detailed design document
- Tells designers how to design
- Known outcome
- Uniformity of approach
- Predictability
- Reasonable assurance of design outcomes



— Performance Based Approach

- Sets out base/minimum requirements
- Encourages thought resolutions and innovation
- Uniformity of approach
- More flexibility
- Reasonable assurance of design outcomes
- Adapts to project brief and requirements

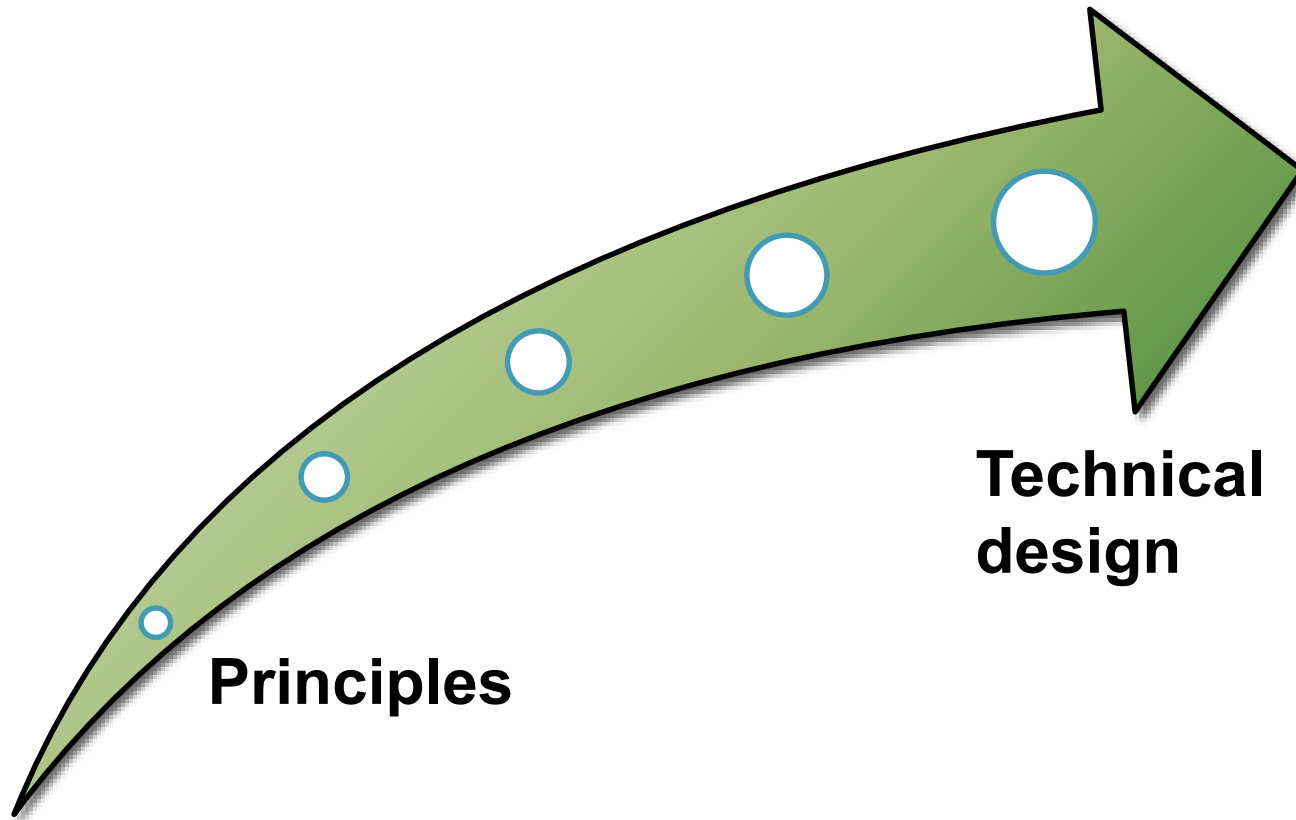
**Encourages thought leadership
and innovation**



Guideline Structure



Structure



Principles

**Technical
design**



Principles

High level objectives

Fundamental requirements that must be delivered

Manual

Application of principles per discipline

Outcomes focused, not prescriptive

Methodologies for delivery (checklists)

Technical

Design criteria

Sizing methodology

Technical discussion

Prescriptive design



Localizing The Benchmark



Climatic Factors

Building code compliance

Building orientation

Solar gain

Humidity differences



Cultural Factors



Staff interaction
with patients



Traditional Chinese medicine



Differences in nursing services



→ The Way Forward

- **A Universal benchmark**
- **Overarching global framework including locally applicable sections**
- **Balance of Performance and Prescriptive approaches**
- **Global understanding of 'International Best Practice'**





THANK YOU



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Building Engineering



Economics



Design + Planning



Environment



Water



Construction Services



Program Management



Program, Cost,
Consultancy



Government



Transportation



Energy

To create, enhance and sustain the world's built, natural and social environments