

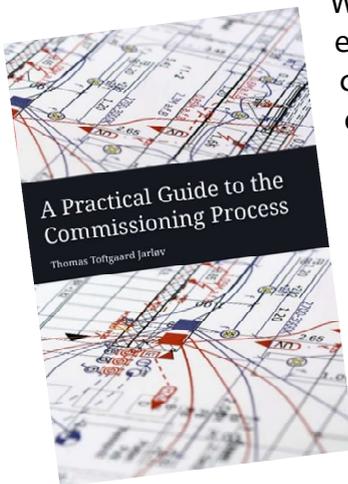
An excellent practical reference tool

A review of A Practical Guide to the Commissioning Process by Thomas Toftgaard Jarløv

This new guide based on the American ASHRAE guideline, and industry best practice in Denmark is an excellent practical reference tool.

Illustrated with many examples and tips Toftgaard Jarløv communicates his team's insightful experience with developing the commissioning process for Copenhagen Airport since 2015.

Assuming a basic knowledge of construction and quality processes and technical systems, this Guide does a brilliant job at explaining why a commissioning process is important, that the process cannot work in a vacuum (communication across disciplines is key), and that the process must benefit the owner, as well project partners. A word of warning - deletion of any of the 20 activities discussed may render the whole process ineffective. However, Toftgaard Jarløv suggests some activities including site inspections be combined with the activities of design and construction teams depending on the project.



We found some very helpful tips for our daily activities such as an excellent way for file naming drawings and how to communicate clarifications in Owner Project Requirements (OPR). All tables and diagrams throughout the book are well laid out as a reference for both technical and management needs. For Project Managers the commissioning organisational diagram discussed in Chapter 5 - Predesign Phase is a must.

With a laser like focus on achieving on the OPR starting in pre-design, Toftgaard Jarløv introduces excellent additional activities to site testing interfaces among systems not discussed in ASHRAE or other industry guidelines.

An example of The Guide's focus on the OPR can be found in the Annex section 10.3. Lists of items in the technical areas such as BMS - "must be able to perform data logging at all measuring points connected to the BMS system, so that operating staff can continuously validate the building performance".

When your mission is to deliver successful constructed projects with sustained savings in operating costs (energy, maintenance, etc) this Guide is essential reading. Full marks.

John Penny, QCxP, M.AIRAH
Brisbane, Queensland Australia
May 2021