

Over 140 Projects Completed with the York Region District School Board:

CFMS Consulting Inc. has provided commissioning services for over 140 projects within the York Region District School Board (YRDSB). CFMS won a three year RFP and were subsequently granted two year-long extensions. Commissioning work has included a LEED project for a specialized athletic school; Bill Crothers S.S., with the majority of developments requiring Total Building Commissioning Services.



History:

In 1996 CFMS Consulting Inc. was awarded the commissioning services project for Ashton Meadows Public School which became the first of 142 YRDSB projects for CFMS. Due to the vast growth that the region has undergone within the last 20 years, CFMS has had the privilege to be involved in a variety of different project types such as new schools, additions and renovations. This has brought forth a large cross-section of building design, construction and development scenarios, providing CFMS with a thorough understanding of all unique aspects YRDSB projects require.

CFMS's relationship management skills have been paramount in ensuring smooth project completion for the YRDSB in a number of unique situations over the duration of the relationship. For example, some schools are connected to other public institutions in that they share a common building with other School Boards. This requires working with new stakeholders and other teams to ensure all participants' needs are met, while maintaining YRDSB standards.

With YRDSB being among some of the most efficient schools in Ontario, they have developed a design standard which includes variable flow pumping in the boiler primary loop, variable speed fans on constant volume units and building automation system (BAS) controlled daylighting in the classrooms. The CFMS team has had the privilege to help execute these standards and as well, be involved in the implementation in their innovative BAS control sequences with strict time of day scheduling.

CFMS' Provides Commissioning Services to over 140 York Region School's

"As member of the YRDSB Plant Services team, I have been working with CFMS as a commissioning agent since 1997. CFMS provides a vital service to our board by providing expert and personalized service to both our Construction and Energy Management team. I consider CFMS an extension of our team – more than a vendor - they are able to represent and report to Plant Services what is happening on site during our new construction projects and our Building systems retrofits. They have a 2nd set of eyes and ears concerning what is happening in the field. CFMS has taken the time to completely familiarize themselves with our operational style and what our guideline mechanical and electrical specifications call for in our schools. This complete understanding of how we work allows them to provide a personalized service for our schools us that is 2nd to none. When we finish a project and it is commissioned by CFMS – I have complete faith in the system operation moving forward. Through this process we can ensure the proper performance of our schools systems for many years in the future."

- Mike Roberts, Assistant Manager, Energy and Environmental Services - Plant Services, YRDSB

Commissioning Services Provided by CFMS:

- ⇒ Contract document review
- ⇒ Commissioning coordination
- ⇒ Contract administration of air and water balancing contract
- ⇒ Installation review from a commissioning prospective
- ⇒ Witness static and dynamic contractor tests.
- ⇒ Verification of DDC system and BAS.
- ⇒ 100% performance testing of HVAC systems.
- ⇒ Co-ordination of mechanical equipment and systems training, Including video-recording
- ⇒ Preparation of the systems operation manual
- ⇒ Seasonal performance testing of HVAC systems
- ⇒ Commissioning of the Mechanical System:
- ⇒ Verification of system tests
- ⇒ Verification of BAS and DDC systems
- ⇒ Performance testing
- ⇒ Operator training
- ⇒ Systems operating manual including Mechanical and Electrical demonstrations on compact disc or video tape

Results:

Participating in an extensive, long-term relationship with the York Region District School Board has familiarized CFMS with YRDSB's standards and requirements for all aspects of the construction process. CFMS has become the go-to resource for any commissioning consulting requests and is often referred to as a partner in managing the complexities of the construction process.

Wendy Collins is a Senior Project Manager at CFMS and has been the lead engineer involved in all of the York Region District School Board Projects.



About CFMS

CFMS Consulting Inc. is Canada's leading independent third-party building commissioning company and has been partnering with building owners, architects, designers and construction teams since 1992 to achieve superior quality control – from the building design phase all the way to the initial year of operation. CFMS specializes in total building commissioning, LEED commissioning, re-commissioning and facilities management with projects ranging from new construction, existing buildings, education, retail, institutional and tenant improvements. The company has completed commissioning projects for over 270 schools, 40 healthcare facilities and hundreds of institutional and commercial projects. With CFMS you are guaranteed to receive 100% authentic reporting, strategic expertise and guidance to reach your desired project goals.