



OMS eLearning Academy



How to Manage, Control, Optimize and Reconcile Refinery Offsite Operations

About Our Academy

A downstream oil refinery has two distinct areas of operations namely, onsite operations and offsite operations. Onsite operations focuses on process units to manufacture intermediate products (not sellable directly, whereas offsite operations involves product movement within the plant, makes final sellable products like fuels (gasoline, diesel, fuel oil etc.) and directly affects the refineries bottom-line to a greater extent. If these operations are not run efficiently, the refinery would lose the tangible benefits of 30-40M\$/Year.

The mission of this academy is to share knowledge with all levels of professionals working in refinery offsite operations, and to help refineries maximize profit. Hence, the academy offers a series of four courses (MCOR) in the OMS eLearning Academy, which teaches to Manage, Control, Optimize and Reconcile refinery offsite operations to capture those tangibles, and otherwise lost benefits.

These courses were developed for every job level from executive, manager, engineers, fresh employees and even fresh graduates who want that extra niche to enter the job market in the refining industry.

Economics of eLearning

Let's take a case study and compare with per student cost of all modes of continuous education. We considered the following cost model of continuous education options for a corporation for the training of 10 students.

Mode of Training	Cost
Number of students taking a course	10
Average per student Cost of 3 days' public course fee + expenses	\$4,800
Average per student Cost of 3 days' onsite course by external instructor	\$1,600
Average per student Cost of Self-study Course manual	\$800
Average per student Cost of eLearning course equivalent to 3 days' public course	\$1,200

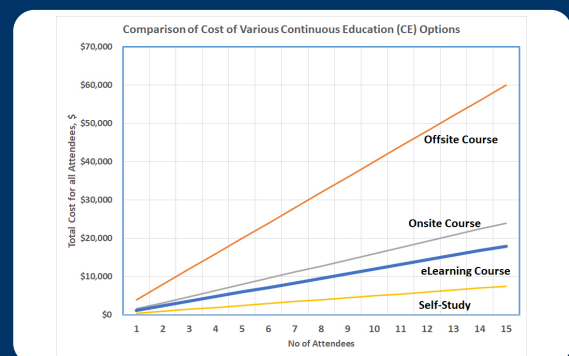
The Business Case for eLearning

Any organization spends millions of dollars to provide training programs to its employees in skills required to perform their job responsibilities adequately. For this purpose, corporations usually have in house programs taught by senior staff for new employees as well as experienced staff. Sometimes they enroll their employees in external courses offered by consultants and educators. However, organizations may face the following problems with these methods of training their employees:

- Senior experienced staff retire and not available to teach in house courses.
- External courses are expensive, not available or conflict the schedules.
- Transferred employees between departments have to learn new skills and have no in-house or external courses to learn in-time.
- Technological advancements in the business makes the old ways of doing business obsolete and needs to retrain their employees with new technology.
- Training is restrictive to learn in offsite class-rooms away from jobs for extended periods.

The above issues has evolved the eLearning industry to 300 billion worldwide as it is economical, and is available anytime, anywhere, on any device and covers extensive curriculum of interest to any industry.

OMS has launched an eLearning Academy to offer MCOR (Manage, Control, Optimize, Reconcile) curriculum for the professionals working in all levels of downstream refinery offsite operations.



Curriculum for All Professionals

Refinery Professionals

Executives – To learn the technology and complexity of offsite operations to help them in planning to revamp, budgets, schedule and most importantly to be able to estimate Return on Investment (ROI).

Managers – To learn the technology and complexity of offsite operations to manage daily operations, solve problems, plan and schedule the activities like movement, blending, dispatch of products etc.

Operations Staff – To equip them with the knowledge to carry-out daily operational activities, whether they are field operators, console operator, engineer (Control, Blending, IT) or just a fresh or transferred employee. These eLearning courses give them immediate resources to learn to perform their duties efficiently and with confidence.

O&G Industry Professionals

EPC/DCS/APC Vendors – To educate their clients about the technology of refinery offsite operations and go above and beyond just training in their own system and tools. It goes a long way in client education in which they can make an educated decision based on their knowledge of the technology inherent in the offered system by these vendors.

O&G Technical and Management Consultants – Many times consultant businesses from O&G clients and lack adequate knowledge about the downstream refining industry. Knowing and learning these technical aspects will equip them better to seek new business and the ability to compete in the marketplace through our refining course.

Fresh Engineers and Students

Fresh Process Control and Chemical Engineering Graduates – These refining courses will teach the fresh engineers' skills which are not taught in their academic curriculum. It will help them to seek better employment opportunities in the O&G industry.

Engineering Students – The refresher course will help junior and senior students to get ahead in the job market upon graduation as these topics are not covered in the academic curriculum.

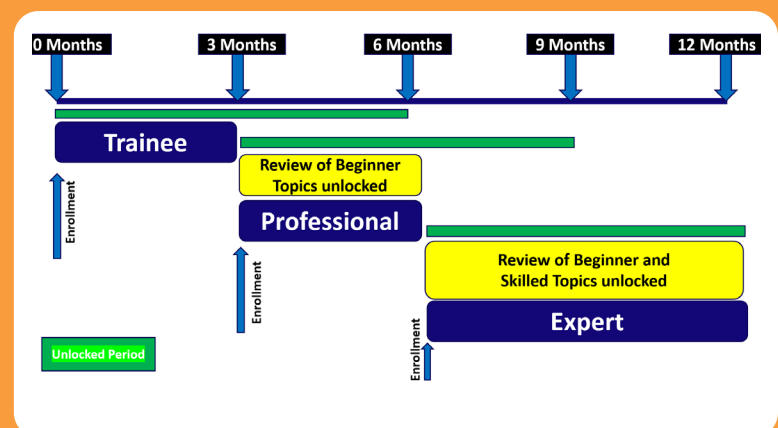


Progressive Learning

The academy courses have a progressive mode of learning. What this means is that each module in the courses, and each topic in the module, must be completed in a sequential order.

They cannot be skipped, or fast forwarded. They must be viewed and completed in sequence. The following chart for the engineer's curriculum shows that three sub-courses for the engineer's curriculum must also be taken in sequence. Each of these courses have modules with topics and must be again followed in sequence.

These courses have an unlocked period, where the enrollee can review previous level course topics during the unlocked period.



Why Should One Take It?

These OMS eLearning Courses are Designed to:

Let professionals learn at their own pace without being dependent on public offerings of courses to avoid conflicts of travel and schedule.

Ease the business budget restrictions for training expenses as eLearning courses are inexpensive compared to public courses.

Have diverse levels of learning, from basic to advanced expert levels.

Offer learning media for professional and management alike, across an enterprise.

Enable many professionals to learn on different devices, mobile, iPad, desktop, laptop anywhere and at any time.

Enable corporations to subscribe for continuing education for their professionals working in the refinery offsite operations.

Who vs. What Matrix

The OMS eLearning Academy has a curriculum for all professionals working in the downstream refinery offsite operations. The academy offers courses ranging from refresher courses to extensive courses meeting the needs of busy executives and managers, to engineers, operators, trainees and new employees.

The courses have a progressive mode of learning and can be taken anytime, anywhere and on any device.

The following chart gives a recommend curriculum for the professionals at various levels keeping in minds their needs to learn in suitable length of time and contents.

Who Should Take What Courses Matrix								
Roles	Free Preview Course	Refresher	Executive's Primer	Manager's Primer	Manage	Control	Optimize	Reconcile
Executives	●	●			●	●	●	●
Managers	●	●			●	●	●	●
Engineers		●						
• Trainee	●	●			●	●	●	●
• Professional	●		●	●	●	●	●	●
• Expert	●				●	●	●	●
Operations								
• Field Operator	●	●						
• Console Operator	●	●						
Students	●	●	●	●				
Consultants	●	●	●	●				
EPC Vendors	●	●	●	●				

Lengths and Run-Time

The lengths of the academic course depend upon the number of topics in the course and vary from 1 to 60 topics for each of the MCOR courses.

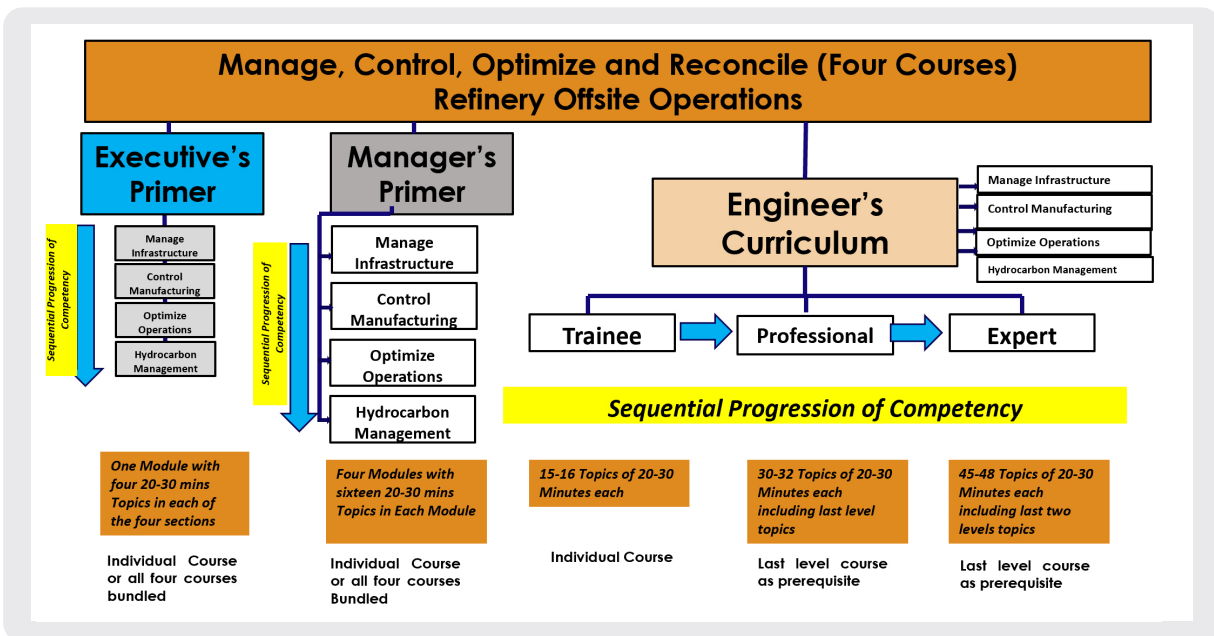
The courses are designed based on the needs of the professional and relevance to his/her job responsibility in the refinery operations.

The following chart gives an idea of contents, total run lengths, and recommended time to completion. The chart also gives an idea of the unlock time period of each course depending upon its contents.

Course Lengths vs Time for Completion							
Course Details	Free Preview Course	Refresher	For each Course of MCOR Curriculum				
			Executive's Primer	Manager's Primer	Engineer's Curriculum		
					Trainee	Professional	Expert
Total Number of Courses	1	1	1	1	1	1	1
Number of Modules	1	4	4	4	12	12	12
Total no of Topics	4	12	8	16	20	35	50
Total Run Duration, Hr	2 hrs	5-6 hrs	4-5 hrs	8-10 hrs	10-12 hrs	18-20 hrs	25-30 hrs
Recommended Time to complete	3 days	2 weeks	1 Month	2 months	2-3 Months	4-6 Months	6-9 Months
Unlock period	1 week	4 Weeks	2 Months	3 months	4 Months	8 Months	12 Months

Note: Above numbers are only guidelines and the courses can be finished at faster rates if so desired.

Our Curriculum



Features of our Academy

- 200+ Topics structured in 200+ courses with 2 to 150 hours of eLearning experience
- Curriculum for all skill and experience level professionals
- 25+ Specially focussed curriculum with 15-20 topics
- Custom create curriculum with any 3-24 topics in any category
- Enroll in fixed plan of 10, 20 and 40 topics with single or 10 users
- Free lessons, Overview videos and walk-thru Tutorials
- Hybrid and live online streaming
- High quality audio-video lessons with multi-language subtitles
- Topic and Courses Quizzes to substantiate eLearning
- Progressive and time bound eLearning mode
- Progress tracker makes it easy to access from any device.
- Mobile responsive
- Completion Certificate and CE accreditation
- User Forum to interact with the academy instructor
- Management of the corporate users' progress by the group Admin
- Marketing Affiliate Program
- Investment protection for updated topic formats and upgrading to higher level courses
- Individual and corporate group enrollment discounts
- Flexible payment plans

Price Options

- **Individual limited time** - Single MCOR module or bundled option of all MCOR modules
- **Individual perpetual Subscription** - bundled option of all MCOR modules
- **Corporate limited license** - 6 weeks max time per user based license of all MCOR modules – minimum 10 users
- **Corporate perpetual subscription** – Monthly per user based subscription of bundled MCOR option after initial license payment for the group of fixed but extendable number of enrolled users - no expiry
- **Life-time non-exclusive access**
 - Life-time access to a specific curriculum with access to all future updates for the opted curriculum- limited or unlimited users.
 - Life time access to entire academy curriculum with access to all future future updates for unlimited users.

Our Course Director



Our Course Director; Dr. Suresh S. Agrawal is the founder and CEO of Offsite Management Systems LLC (OMS), Houston, Texas, USA. OMS specializes in advanced process control systems and has developed, installed and managed many innovative and technologically advanced automation software products, as well as integrated solutions for the automation of offsite operations of Chemical, Oil and Gas (COG) industries in countries like India, Mexico, Columbia, USA and Eastern and Western European countries.

He graduated from Indian Institute of Technology, Mumbai, India with a Bachelor of Chemical Engineering. He then obtained master's and Ph.D. degrees in Chemical Engineering from Illinois Institute of Technology, Chicago, USA.

Dr. Agrawal has 40+ years of experience at senior technical / management positions with international companies and he has successfully managed many advanced refinery process control projects in numerous countries. He has published and presented 30+ papers in international publications and conferences in the areas of advanced process control.

Academy Website

Our eLearning Academy website is for “Members Only” and you must sign-up to access all pages of the academy to explore our curriculum and other resources. However, you can view the academy curriculum overview video without signing up. Once you sign-up, you will be able to enroll in our free courses to review the contents and formats before enrolling in a paid course.

By signing up, will also give you access to our forum where you can participate in discussions with other academy users as well as interact with the course instructor about any topic related to refinery offsite operation or academy curriculum topics.

Please sign-up for newsletter to receive information about the release or update of new topics or courses. The academy does not have any membership fee to sign-up. You pay only when your enroll in one of the courses.



The process of eLearning

The process of enrolling in a course on our academy is as follows:

1. Sign-up on our academy and create login ID using the link sent to your registered email.
2. Login into our academy using the login credentials.
3. Review the free course, take the quiz and then fill-out the survey.
4. Explore other courses, check the curriculum details and enroll into a paid course, take advantage of any special discounted offers.
5. The course is progressive and will guide you to learn the topics in sequence.
6. Your progress is tracked, thus; video can be paused, stopped and resumed from any other device.
7. You must obtain an 80% grade to pass and get the completion certificate in the quiz. You can retake the quiz until you pass the course.
8. You must complete the course in an allotted time period before you get locked out.
9. Keep track of your courses, and get a printed transcript of completion of course steps, and quiz scores.
10. Interact with the instructor and other users on the academy forum, Ask a question and get answers from the instructor and other users
11. Download white papers and read blogs from the instructor discussing various topics of interest.

Happy eLearning ...

How To Contact Us

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