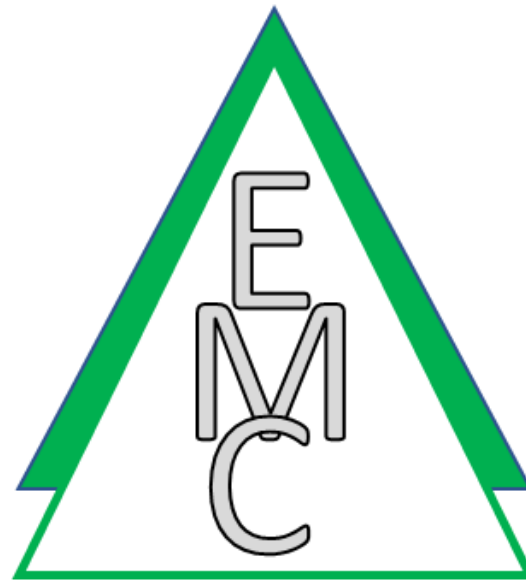
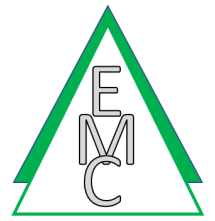


ESSENTIAL *MFG* CONCEPTS



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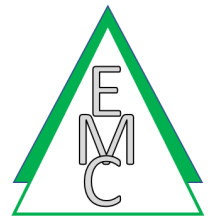
The Problem



Even a formal education does not necessarily provide employees with sufficient knowledge to prepare them for facing frequently encountered processes, procedures, & documents that are often utilized in manufacturing engineering, operations, and quality assurance.



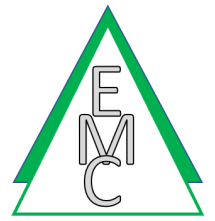
The Solution



ESSENTIALMFGCONCEPTS offers a variety of online half-day manufacturing skills training classes that can provide an employee with new skills, sharpen their existing skills, assist them in improving their performance, and give them the tools they need for to become competent leaders.



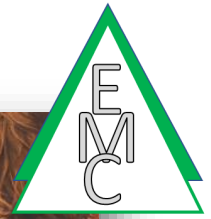
Our Mission



Provide affordable, online (real-time) manufacturing training classes for those in need of developing new manufacturing skills or improving their current skills. Students will be able to immediately apply these newly acquired abilities to their jobs.



How it Works



Classes sessions can be completed within a ½ day.

Our impressive catalog of topics includes:

23 Multi Short-Topic Classes
each varying in duration
from 5 to 35 minutes.

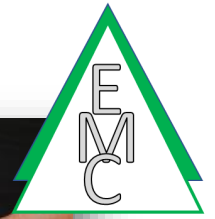


*Select and combine these
short-topics to create a
customized class session.*

14 Single Full-Topic
Classes each varying in
duration from 2 to 5 hours.

Participants complete the skills
training with usable
manufacturing skills, ready to
apply them in their workplace.

Course Topics Available



Key Process Indicators (KPIs)

Lessons Learned Session

New Product Introduction (NPI)

Intro to Applied Statistics

Non-destructive Testing (NDT)

Conflict Resolution

Lean Manufacturing

Metrology

Quality Management Tools

Statistical Process Control & Process Capability

Course Topics Available (cont.)



Packaging, Shipping and Logistics

Roles and Responsibilities

Takt Time, Cycle Time, & Lead Time

Make - Buy Decision

Manufacturing Production Processes

Bill of Materials (BOM)

Change Requests and Orders

Cross-Functional Meetings

Debrief Meetings

First Article Inspection (FAI)

The Stages of Proof of Concept through Full-Scale Production

Why People Need What We Offer



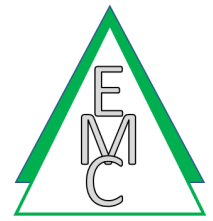
Skills developed from these courses will accelerate an employee's growth and success, which in turn will benefit the company.

Utilizing the topics from this program will lead to improving company profitability, quality, delivery, and safety.

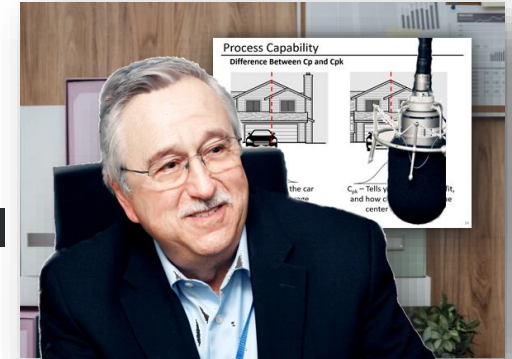
These courses are highly beneficial for those assuming new roles in their organization, as well as those who need assistance in their present roles.

Companies have had to reduce their workforce, thus requiring employees to assume both expanded and new roles. These employees will require additional training to acquire new skills and sharpen their existing skills.

EMC's Principal & Founder



Dr. Al Pucino, founder of **essentialMFGconcepts** and principal instructor, holds a Ph.D. in Engineering and has managed various engineering departments, as well as serving as project leader on multi-million dollar R&D programs during his aerospace career.



As a university Associate Professor and Director of Manufacturing, Dr. Pucino has developed an employee training program, and has instructed 100+ manufacturing skills development workshops at over 70 manufacturing companies. He holds a Six Sigma Yellow Belt, has instructed at Central Connecticut State University, and is a consultant for Raytheon Technologies.

Dr. Pucino has published technical papers, patents, and delivered technical presentations at engineering society conferences and manufacturing association summits.

Value Proposition



Sessions are delivered live, facilitating interaction between the students and the instructor.

Our prices are very reasonable because we understand and respect your business' spending constraints.

essentialMFGconcepts

Short-Topic courses can be selected and combined to create a customized session.

Our experienced class instructors are formally educated and have industrial experience with the topics they are presenting.

Tip: Try to avoid skills development programs where the instructor has little to no industrial experience in the topic(s) they are teaching, and is merely reading to you text from material prepared by a third party.

Customer Feedback



"I like how we can also reference the training slides in the future."

Ruben Rios, Mfg. Engr.

"I really liked the examples of calculations in the slides. I'm a numbers guy, so seeing the calculations and the applications of it helps me use it on the shop floor."

Greg Kubrak, Mfg. Engr.

"I enjoyed how in-depth the instructor was within his topics."

Cyrus Tyler, Mfg. Engr.

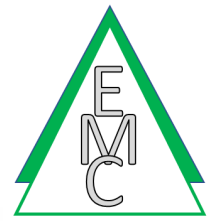
"Overall a very informative lecture with a lot of helpful highlights."

Ruben Rios, Mfg. Engr.

"I had the opportunity to ask coworkers the next day for their notes and they could provide me with very detailed and helpful notes to help me get the information that I missed."

Ruben Rios, Mfg. Engr.

Our Partners



The Millennial Academy

There are few resources to obtain information about college or entrance into the professional world. The Millennial Academy was created as a resource center to provide personal and professional development options for these modern professionals and college students in need of training.



<https://www.themillennialacd.com>

St Michael IT Solutions, LLC

We are an Information Technology company focusing on the Technology and Training needs of Small-to-Medium-sized Businesses and Individuals. With over 25 years Fortune 100/500 experience we can help you make the most efficient use of technology solutions, increase your understanding of your technology assets and help you manage them.



<http://www.stmichaelitsolutions.net>

Your Comments & Questions



We would appreciate your thoughts and questions on what you've seen and heard regarding the Manufacturing Skills Training offered by *essentialMFGconcepts*.

Thank you!

Apucino.EMC@gmail.com

