ABB Motors and Generators Training
Learning programs for ABB Value Providers (AVP)

Large motors and generators

Sharing knowledge and creating value
ABB Value Providers (AVP) - Learning programs

The ABB Value Provider Program (VPP) is the ABB group wide channel program for selective distribution. Channel partners are authorized by ABB to deliver a specified product and service portfolio and to supply the very best customer solutions.

The objective of the ABB Value Provider Program is for ABB to be seen as the best partner by third party channel companies and for end-users to recognize ABB and its value providers as the premium suppliers of products and services worldwide.

The Motors and Generators Training team has created on-line learning programs for Motors and Generators value providers. The objective with these programs is to offer you in-depth knowledge about our products, tools and services so that you can provide end users with the ultimate customer experience.

In this brochure all our AVP Learning programs for low voltage motors are presented. Besides instructions on how to access the trainings, you will have an overview of the programs with course specific details. I encourage all of you to go through the details and dedicate the appropriate time developing your competence.

Good luck in your studies!

Jennifer Nkire
Global BL Channel Manager
Motors and Generators
Apply for a training program and study it through

To apply for a program, please contact your local ABB Channel Partner contact and ask him/her to sign you up for the wanted program as listed in this brochure.

Your contact will enrol you to the agreed program via an internal ABB system called PCS2. Before your contact can enrol you, it is important that you have created a MyABB account and at least once used it to open MyLearning. Note that when you create a MyABB account you will receive an activation mail. You have 72 hours to activate your MyABB account.

Follow this link for instructions on how to use MyABB and MyLearning.

All programs are uploaded in PCS2. Once your local ABB Channel Partner contact has signed you in you can go to your MyLearning and find the courses under My Learning -> My Enrollments.

Note: It is recommended that all courses are studied in the order mentioned in this brochure. In MyLearning they will appear in numerical order, so please use this brochure to see in which order the courses shall be studied.

Need to take a break during the course? Don’t worry – you can always find the course in My Learning -> My Enrollments, and proceed with your studies from where you left off.

Course categorization

Programs may consist of e-learning courses, documents to download for self-study or classroom courses. The courses included in a program are classified as mandatory or recommended.

Mandatory: To complete the training program all mandatory courses needs to be studied.

Recommended: The course is recommended based on its content but optional since relevance is dependent on local AVP profile.

It is also possible to pick and choose the recommended courses on an individual basis in MyLearning.
AVP Technical distributor training program

PCS2 code: AVP_LMG_Tech_Dist_Mandatory
PCS2 code: AVP_LMG_Tech_Dist_Recommended

0. Introduction

This program provides an introduction to ABB and to business line Motors and Generators

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<tr>
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<td>Introduction to global MEPS</td>
<td>60 min</td>
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<tr>
<td>G005e</td>
<td>ABB energy appraisal internet course</td>
<td>120 min</td>
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© ABB Motors and Generators Training
3. Cost of ownership

In this course we explain the cost of ownership formula and how to calculate the different factors that contribute to the total cost of ownership of an electric motor. Discover how cost of ownership can be reduced and the significant savings that can be achieved.

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6a. Product training

This course will provide an overview of ABB's large motors and generators product lines.

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<tr>
<td>K102e_2</td>
<td>Large motors product overview</td>
<td>45 min</td>
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</tr>
<tr>
<td>K471e</td>
<td>Introduction to N-series and MachSize selection tool (Available Q1/2018)</td>
<td>60 min</td>
<td>Mandatory</td>
</tr>
<tr>
<td>K118e</td>
<td>Permanent magnet motors</td>
<td>30 min</td>
<td>Recommended</td>
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<td>105 min (M)</td>
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6b. Motors in Variable Speed Applications

In addition to an overview of ABB's MV Drives products, this course will provide basic knowledge of main process control methods and understanding of the hardware construction and main parts of an AC drive.

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<tbody>
<tr>
<td>G301e_a</td>
<td>Basics of AC Drives – Process control and various control methods</td>
<td>30 min</td>
<td>Mandatory</td>
</tr>
<tr>
<td>G301e_b</td>
<td>Basics of AC Drives – Hardware construction</td>
<td>30 min</td>
<td>Recommended</td>
</tr>
<tr>
<td>G791e</td>
<td>ABB MV Drives product overview</td>
<td>120 min</td>
<td>Recommended</td>
</tr>
<tr>
<td>K203e</td>
<td>Basic theory and special requirements</td>
<td>120 min</td>
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The goal of the course is to give an introduction to explosive atmospheres seen from an IEC perspective. Understand how explosive atmospheres are divided into equipment groups and sub-groups and the classification of zones.

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<tbody>
<tr>
<td>K170e</td>
<td>What are explosive atmospheres</td>
<td>90 min</td>
<td>Recommended</td>
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7. Motors in operation

What factors affect the machine’s condition and performance over time? Understanding the aging factors and their consequences will help to select the appropriate service or maintenance strategy to maximize process uptime and minimize operational expenditure.

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<td>Why service is needed</td>
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8. Predictive maintenance

Within this course we examine the predictive maintenance strategy, and what it means for users of low and medium voltage motors and generators. Condition monitoring can be an effective way to reduce the cost of ownership.

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<td>K816v</td>
<td>Life Expectancy Analysis Program</td>
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© ABB Motors and Generators Training
AVP System integrator training program

PCS2 code: AVP_LMG_Sys_Int_Mandatory
PCS2 code: AVP_LMG_Sys_Int_Recommended

0. Introduction

This program provides an introduction to ABB and to business unit Motors and Generators.

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145 min (M)

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