

Product Introduction – Generators and Power Generation

Storyboard Script

Document Objectives:
This document provides insight into the proposed content outline, design approach and the estimated seat time.

Customer Name: Coates	Project/Course Name: Product Introduction	Module Number: M1
El Project Manager: Rashida	ID: Majid Sheikh	POC: NA

Version History			
Date	Version Number	Author/Reviewer	Description
4 th Jun, 2021	v0.1	Majid Sheikh	SB creation

Project brief/requirement
<ul style="list-style-type: none">• Seat time: 11 mins• Language: - U.K English• Interaction levels: - Level 2• Input documents for creating this document: Source Doc• Audio: Articulate Rise formats do not have scope for audio except multimedia sections. In this course, audio has only been used in one video.• Number of VO artists: 1• Video: Yes

- Assessment and number of questions: NA
- Authoring Tool: Articulate Rise
- List with names of characters used: NA
- Diversity in characters: NA
- Image type: Real images + Icons
- Open Note:
 - a. Client wants simple and general eLearning course.
 - b. Templates have been chosen from scaffold.
 - c. The yellow highlighted words are for the understanding of graphics team, they will not be a part of on-screen text.


Color code used for updates: Alpha Edits; Beta Edits; Final Edits

Table of Contents

Topic 0: Course Landing Screen	5
Screen 1: Welcome	5
Topic 1: Introduction	6
Screen 1: Course Overview	6
Screen 2: Objectives	13
Screen 3: How to Use a Power Generator?	15
Screen 4: Coming Up.....	16
Topic 2: Types of Generators	16
Screen 1: How are generators classified?	16
Screen 2: Portable Generators	19
Screen 3: Petrol-Diesel Generators	19
Screen 4: Silenced Inverter Generators.....	20
Screen 5: Trailer Mounted Generators.....	22
Screen 6: Skid Mounted Generators	24
Screen 7: Container Style Generators	32
Screen 8: Market Segments and Customers	34
Screen 9: Coming Up.....	34
Topic 4: Safety Requirements	35
Screen 1: Safety Procedure for Operating a Generator	35
Screen 3: Coming Up.....	36
Topic 5: Course Summary	37
Screen 1: Key Messages.....	37
Screen 2: Additional Information	37



Topic 0: Course Landing Screen


Screen 1: Welcome


On-screen Text	Audio	Graphic Notes (For internal team)
<p>Generators and Power Generation</p> <p>START COURSE Details</p> <p>This entry-level course has been designed to build your knowledge of the Coates generator range of equipment. The course will assist you in understanding the technical features and applications of the generators. This will enable you to provide a high level of customer service when dealing with any generator enquiries.</p> <p>You will need around 11 minutes to complete this course.</p>		<p>Image:</p>  <p>Getty images: 134247865</p>
<p>On selecting Details</p> <p>Introduction Types of Generators Safety Requirements Course Summary</p>		





Topic 1: Introduction



Screen 1: Course Overview



On-screen Text	Audio	Graphic Notes (For internal team)
No OST here	No Audio here	<p>This will be a video.</p> <p>Course Overview</p>  <p>Video launch image:</p>  <p>Getty images: 1188199848</p>




<p>The Coates Hire range of generators</p>	<p>Before you take a deep dive into the Coates Hire range of generators,</p>	<p>Use this kind of typography:</p> <p>The Coates Hire range of generators</p> <p>For each slide, use colour variation to highlight text.</p> <p>Image:</p>  <p>Show a collage of images from slides 6,7 and 8 of source PPT: https://eidblr-my.sharepoint.com/:p:/r/personal/rashidak_ei_design_net/layouts/15/Doc.aspx?sourcedoc=%7BB205CAB3-A398-449D-8135-C3D88405C3FB%7D&file=Product%20Introduction%20-%20Generators%20and%20Power%20Generation%20-%20V1.1%20SW.pptx&action=edit&mobiledirect=true</p>
--	---	---



<p>What is a generator?</p>	<p>you must first understand what a generator is?</p>	<p>Image:</p>  <p>1252861494</p>
<p>What is a generator?</p> <p>A generator is a device that converts motive power (mechanical energy) into electricity to power electric tools, appliances, lighting etc.</p>	<p>A generator is a device that converts motive power (mechanical energy) into electricity to power electric tools, appliances, lighting etc.</p>	<p>Use this type of typography. Questions in bigger font and answers in slightly smaller font:</p> <p>What is a generator?</p> <p>A generator is a device that converts motive power (mechanical energy) into electrical power for use in an external circuit.</p> <p>Question from earlier frame will stay and the answer text will appear in animation and the background image will change.</p> <p>Image:</p>

		 182192586
The generators can be used as a stand-alone system or	The generators can be used as a stand-alone system or	 909586874
as a replacement to the electricity grid supply.	...as a replacement to the electricity grid supply.	 182223726
Their basic function is to supply power to a variety of applications ranging from small power tools to running a complete construction site.	Their basic function is to supply power to a variety of applications ranging from small power tools to running a complete construction site..	 1226774586


<p>How are they powered?</p>	<p>But how are they powered?</p>	 <p>117957537</p>
<p>How are they powered?</p> <p>Powered by a petrol/diesel engine or ...</p>	<p>They are powered by either a petrol or diesel engine or ...</p>	 <p>Slide 6 of the source PPT</p>

an inverter.	an inverter.	 <p>Slide 7 of source PPT</p>
Coates generator range provides power from 2.9 KVA up to 1400 KVA	Coates generator range provides power from 2.9 Kilovolt-amperes up to 1400 Kilovolt-amperes.	 <p>Slide 2 of Source PPT</p>
Portable	Generators are typically portable,	Images: from slides

		 <p>674687238</p>
Towable	towable,	 <p>Slide 8 of the source ppt</p>
Skid mounted	skid mounted or T ..	 <p>Slide 9 of the source ppt</p>

Containerised	containerised.	 <p>Slide 12 of the source ppt</p>
We'll learn about each generator type in detail in this module.	We'll learn about each generator type in detail in this module.	 <p>183284146</p>

Screen 2: Objectives

On-screen Text	Audio	Graphic Notes (For internal team)
<p>At the end of this course, you'll be able to:</p> <ul style="list-style-type: none"> Describe the different types of generators Demonstrate the safety procedure of operating a generator 		<p>Use this template:</p> 

1st Objective image:



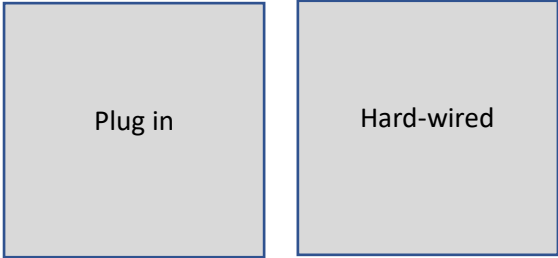
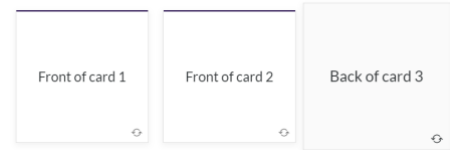

513921099

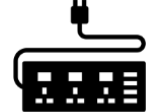
2nd Objective image:



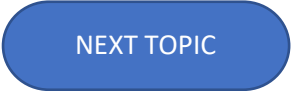
170165360

Screen 3: How to Use a Power Generator?

On-screen Text	Audio	Graphic Notes (For internal team)
<p>The distinguishing feature of a generator is its ability to supply electric power for a wide range of uses.</p> <p>You can either plug in appliances to the generator or have a hard-wired output connection.</p> <p><i>Select each card to learn the different ways of using a power generator.</i></p> <div data-bbox="156 678 712 936">  </div>		<p>Use this template: Flip Card interactivity:</p> <div data-bbox="1657 443 2105 593">  </div> <p>Shoow 2 clcikable cards.</p> <p>Show icons on eac card:</p> <p>Card 1 Plug in:</p> <div data-bbox="1657 858 1780 981">  </div> <p>Noun project: 2201350</p> <p>Card 2 Plug in: Hard wired</p>
<p>Plug in pop-up (Back Card)</p> <p>Plug in</p> <p>You can plug tools and appliances into the generator directly or using extension cords that are appropriately rated for the amperage of those tools or appliances.</p>		

<p>Hard-wired pop-up (Back Card)</p> <p>Hard-wired</p> <p>Generators can also be hard-wired directly into into large electrical appliances or installations. Hardwire connections must only be conducted by a qualified electrician.</p>		 <p>Noun project: 3426673</p>
--	--	--

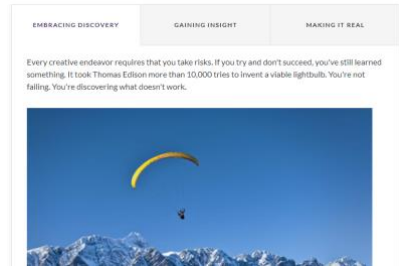


Screen 4: Coming Up

On-screen Text	Audio	Graphic Notes (For internal team)
<p>Select NEXT TOPIC to continue.</p> 		

Topic 2: Types of Generators

Screen 1: How are generators classified?

On-screen Text	Audio	Graphic Notes (For internal team)
<p>Generators are classified into the following groups:</p> <p>Select each tab to learn more.</p> <p>Tab1 Portable generators</p> <p>Tab2</p>		<p>Tabs interaction scree.</p> <p>Colours the tabs with branding colour of Coates Hire (Orange)</p>

<p>Skid mounted generators</p> <p>Tab3</p> <p>Container style generators</p>		
<p>Tab1 pop-up</p> <p>Portable Generators (include trailer mounted units) ranging from 2.9 KVA to 8 KVA</p>		
<p>Tab2 pop-up</p> <p>The skid mounted generators are further categorised into the following:</p> <ul style="list-style-type: none">• Skid Mounted generators ranging from 11 KVA to 100 KVA• Skid Mounted generators ranging from 125 KVA – 300 KVA• Skid Mounted generators ranging from 350 KVA – 650 KVA		<p>Tab 1 image:</p>  <p>674687238</p>
<p>Tab3 pop-up</p> <p>Container style generators ranging from 1000 KVA – 1250 KVA</p>		<p>Tab 2 image:</p>  <p>Slide 9 of the source PPT: https://eidblr-my.sharepoint.com/:p:/r/personal/ra</p>

[shidak_eidesign_net/ layouts/15/Doc.aspx?sourcedoc=%7BB205CAB3-A398-449D-8135-C3D88405C3FB%7D&file=Product%20Introduction%20-%20Generators%20and%20Power%20Generation%20-%20V1.1%20SW.pptx&action=edit&mobileredirect=true](http://shidak_eidesign_net/layouts/15/Doc.aspx?sourcedoc=%7BB205CAB3-A398-449D-8135-C3D88405C3FB%7D&file=Product%20Introduction%20-%20Generators%20and%20Power%20Generation%20-%20V1.1%20SW.pptx&action=edit&mobileredirect=true)

Tab 3 image:

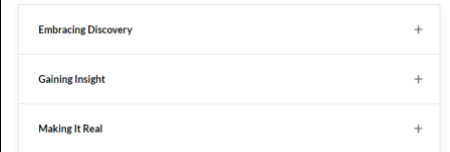




Slide 12 of the source PPT.

Screen 2: Portable Generators

On-screen Text	Audio	Graphic Notes (For internal team)
<p>There are three types of portable generators:</p> <ul style="list-style-type: none"> Petrol-Diesel Silenced Inverter <p>Let's learn about each of them in detail.</p>		

Screen 3: Petrol-Diesel Generators

On-screen Text	Audio	Graphic Notes (For internal team)
<p>Here are the features and applications of petrol-diesel generators:</p> <p>Select each button to learn more.</p> <p>Tab1 Features</p> <p>Tab2 Applications</p>		<p>Use Accordion template.</p>  <p>Show 2 tabs.</p>
<p>Tab1 drop-down</p> <ul style="list-style-type: none"> Power outlets on the unit allow you to plug extension cords, electric-powered tools and appliances into it. These units are quite loud, so not so suitable for anyone where noise levels would be a concern. They are not recommended for running sensitive electronic devices such as computers. 		<p>Tab 1 image:</p>  <p>Slide 6 of the source PPT.</p>

<ul style="list-style-type: none">• They are available in an output range of 1 KVA up to 8 KVA.		
Tab2 drop-down <ul style="list-style-type: none">• Construction• Engineering• Residential• Trades• Boats• Farming		<p>Tab 2 image:</p>  <p>1055479276</p>

Screen 4: Silenced Inverter Generators

On-screen Text	Audio	Graphic Notes (For internal team)
----------------	-------	-----------------------------------

The following are the features and applications of silenced inverter generators:

Select each tab to learn more.

Tab1

Features

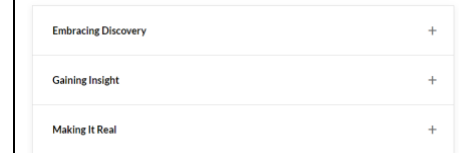
Tab2

Applications

Tab1 drop-down

- An inverter generator electronically throttles the engine up and down to meet demand instead of running full speed all the time.
- This means that you won't have to fill up the fuel tank as often.
- Inverter generators also produce lower emissions and are generally very quiet.
- Smaller output – these generators are ideal for running frequency sensitive equipment like computers, poly welders, hi-fi equipment, etc. and at small events and carnivals.
- They are relatively compact and portable and can be wheeled around the worksite easily.
- They are available in an output range of 2.9 KVA up to 8 KVA.

Use Accordion template.




Show 2 tabs.

Tab 1 image:



Slide 7 of the source PPT.

Tab2 drop-down <ul style="list-style-type: none">• Food Vans• Trades• Electronic device applications that require a quieter unit		Tab 2 image:  496731672
---	--	--

Screen 5: Trailer Mounted Generators

On-screen Text	Audio	Graphic Notes (For internal team)
<p>Here are the features and applications of trailer mounted generators:</p> <p>Select each button to learn more.</p> <p>Tab1 Features</p> <p>Tab2 Applications</p>		<p>Use Accordion template.</p> <div><div>Embracing Discovery</div><div>+</div></div> <div><div>Gaining Insight</div><div>+</div></div> <div><div>Making It Real</div><div>+</div></div>

Tab1 drop-down

- Trailer Mounted Generators have same features as the skid mounted versions of the same size, but they are mounted on a trailer.
- They can be towed by the customer saving on transport costs especially where they need to move the machine on a regular basis.
- 20 KVA and 30 KVA models are ideal for powering site sheds, medium sized appliances and small private events such as weddings and birthday parties held in the great outdoors.
- These generators are available in output ranges from 11 KVA up to 100 KVA.

Tab2 drop-down

- Residential
- Small events
- Engineering
- Construction


Tab 1 image:

Slide 8 of the source PPT.

Tab 2 image:

154926048

Screen 6: Skid Mounted Generators

On-screen Text	Audio	Graphic Notes (For internal team)
<p>Let's look at this video to learn about the skid mounted generators.</p>	<p>Play some background music. Not too fast.</p>	<p>This will be a video.</p> <p>Video launch image:</p>  <p>Slide 9 of the source PPT.</p>
<p>Coates Hire provides three types of skid mounted generators.</p>		

Skid Mounted –
11 KVA to 100 KVA

Skid Mounted –
125 KVA to 300 KVA

Skid Mounted –
350 KVA to 650 KVA

To appear with 1st box



To appear with 2nd box







To appear with 3rd box








Images from 9, 10 and 11 of the source PPT.


		Images will appear in animation one by one in synch with the text boxes.
Skid Mounted – 11 KVA to 100 KVA		
Features of Skid Mounted – 11 KVA to 100 KVA <ul style="list-style-type: none">• Robust silenced canopies• Skid bases complete with lifting hooks and forklift pockets for ease of transportation around site		 <p>Image will now appear in background . In one frame, show maximum of 2 to 3 features.</p>



<p>Features of Skid Mounted – 11 KVA to 100 KVA</p> <ul style="list-style-type: none"> • Fixed outlets available on units up to 150KVA • Fixed terminals for connection of cables and a variety of protection systems available to suit many applications 		
<p>Applications of Skid Mounted – 11 KVA to 100 KVA</p> <ul style="list-style-type: none"> • Building construction • Light and heavy industry • Mining and resources electrical testing 		<p>Image to appear in the background:</p>  <p>1267010934</p>
<p>Applications of Skid Mounted – 11 KVA to 100 KVA</p> <ul style="list-style-type: none"> • Pumping and industrial equipment • Site power • Process machinery • Plant shutdowns and ongoing maintenance 		<p>Text will appear on a background image. Image to appear in the background:</p> 

Skid Mounted – 125 KVA to 300 KVA		
Features of Skid Mounted – 125 KVA to 300 KVA <ul style="list-style-type: none">• Large fuel tanks for uninterrupted use• Range of protection equipment to suit many applications• Sound-reduced and sound-proof canopies		<p>This image will now appear in background.</p> 
Features of Skid Mounted – 125 KVA to 300 KVA <ul style="list-style-type: none">• Optional remote starting and paralleling facilities• The latest in digital engine management and protection systems		

Applications of Skid Mounted – 125 KVA to 300 KVA <ul style="list-style-type: none">• Utilities• Remote power• Mining• Construction		<p>Text will appear on a background image.</p> <p>Image to appear in the background:</p>  <p>664421540</p>
Applications of Skid Mounted – 125 KVA to 300 KVA <ul style="list-style-type: none">• Ongoing operations• Large industrial shutdowns• Standby power• Hospitals, mining & industrial processing plants• Prime power & large events		<p>Image to appear in the background:</p>  <p>1045595490</p>
Skid Mounted – 350 KVA to 650 KVA		

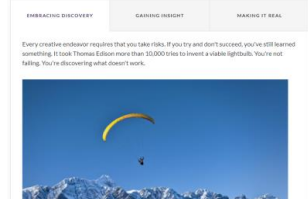


		From slide 11 of the source PPT
Features of Skid Mounted – 350 KVA to 650 KVA <ul style="list-style-type: none"> • Large fuel tanks for uninterrupted use • Range of protection equipment to suit many applications • Sound-reduced and sound-proof canopies 		<p>This image will now appear in background.</p> 
Features of Skid Mounted – 350 KVA to 650 KVA <ul style="list-style-type: none"> • Optional remote starting and paralleling facilities • The latest in digital engine management and protection systems • Units can be configured for multi-unit operation, up to 32 sets can be set up in one bank 		
Applications of Skid Mounted – 350 KVA to 650 KVA <ul style="list-style-type: none"> • Utilities • Remote power • Mining • Construction 		<p>Background image:</p>  <p>1224034141</p>

<p>Applications of Skid Mounted – 350 KVA to 650 KVA</p> <ul style="list-style-type: none">• Ongoing operations• Large industrial shutdowns• Standby power• Hospitals, mining & industrial processing plants• Prime power & large events		<p>Background image:</p>  <p>1210865006</p>

<p>The skid-mounted generators are known to provide a great deal of power over a long period.</p>		 
---	--	--

Screen 7: Container Style Generators

On-screen Text	Audio	Graphic Notes (For internal team)
<p>Like skid mounted generators, container style generators come with large fuel tanks.</p> <p><i>Select each tab to learn about its features and applications.</i></p> <p>Tab1</p>		<p>Use tabs interaction template.</p>

<p>Features</p> <p>Tab2</p> <p>Applications</p>		
<p>Tab 1 pop-up</p> <ul style="list-style-type: none"> • Large fuel tanks for uninterrupted use • Range of protection equipment to suit many applications • Sound-reduced and sound-proof canopies • Optional remote starting and paralleling facilities • The latest in digital engine management and protection systems • Units can be configured for multi-unit operation, up to 32 sets can be set up in one bank 		<p>Show 2 tabs.</p> <p>Tab 1 image:</p> 
<p>Tab 2 pop-up</p> <ul style="list-style-type: none"> • Utilities • Remote power • Mining • Construction • Ongoing operations • Large industrial shutdowns • Standby power • Hospitals • Mining and industrial processing plants • Prime power • Multi-megawatt power stations and large events. 		<p>From slide 12 of the source PPT</p> <p>Tab 1 image:</p>  <p>664213136</p>

Screen 8: Market Segments and Customers


On-screen Text	Audio	Graphic Notes (For internal team)
<p>Select the PDF to download the information on market segments and customers that use generators.</p> <p>PDF</p>		<p>Create an interactive PDF for this section.</p>

Screen 9: Coming Up

On-screen Text	Audio	Graphic Notes (For internal team)
<p>Select NEXT TOPIC to continue.</p> <p>NEXT TOPIC</p>		

Topic 4: Safety Requirements

Screen 1: Safety Procedure for Operating a Generator

On-screen Text	Audio	Graphic Notes (For internal team)
<p>Because generators can produce high levels of electricity they are classed as medium risk equipment.</p> <p>The primary hazards to avoid when using a generator are;</p> <ul style="list-style-type: none"> • Electric shock or electrocution especially if operated in wet conditions. • Fuel or oil spills around the generator and the presence of combustible materials will pose a risk of explosion and fire. • Exhaust fumes emitted by generator sets contain poisonous gases like carbon monoxide that can be life threatening and result in death. • The unit should not be opened or dismantled while it is functioning. Moving or hot parts should not be tampered with. • These units should be operated only for their intended purpose and in accordance with the operators manual. Here is the safety procedure that must be followed while operating a generator. • Generators should be placed on a horizontal even and solid floor and should not be operated when in a slanting position of more than 15 degrees. • Ensure engine exhaust is not directed toward people. If operated indoors an exhaust pipe to remove the exhaust outside should be fitted. 		<p>Text and Image Screen.</p> <p>Image:</p>  <p>1214457108</p>

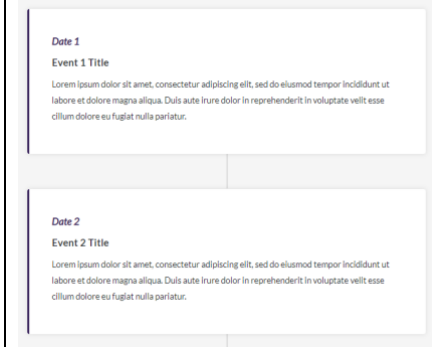
<ul style="list-style-type: none">• Electrical earthing of the generator must be verified prior to use and in accordance with local legislation.• These units should be operated only for their intended purpose and within its rated limits.		
<p>Select the PDF to know about the hazard symbols on a generator and the recommended PPEs to be used while operating it.</p> <p>PDF</p>		

Screen 3: Coming Up

On-screen Text	Audio	Graphic Notes (For internal team)
<p>Select NEXT TOPIC to continue.</p> <p>NEXT TOPIC</p>		

Topic 5: Course Summary

Screen 1: Key Messages

On-screen Text	Audio	Graphic Notes (For internal team)
<p>You have now come to the end of this course. Let us recall the key learning points.</p> <ol style="list-style-type: none"> 1. A generator is a device that converts motive power (mechanical energy) into electricity to power electric tools, appliances, lighting etc. 2. Generators are classified into portable, skid mounted, Trailer mounted and container style generators. 3. Generators provide electricity by running a diesel or petrol powered engine 4. Coates Hire provides skid mounted generators: ranging from 11 KVA to 650 KVA. Skid Mounted – 11 KVA to 100 KVA, Skid Mounted – 125 KVA to 300 KVA and Skid Mounted – 350 KVA to 650 KVA 		<p>Use the timeline template for summary:</p> 

Screen 2: Additional Information

On-screen Text	Audio	Graphic Notes (For internal team)
<p>Select the PDF to download the 'Generator Enquiry Form'.</p> <p>Note: Please speak with your Product Specialist who will assist you to better understand the use of this form.</p>		<p>Use this template:</p>

PDF

Select the PDF to download the basic terms used when talking about generators.

PDF

Select the PDF to find out more about the Coates range of Power Generation and Distribution equipment.

PDF