

Storyboard

Document Objectives:

- This document (storyboard) gives the “instructional” representation of the page level content and its representation.
- This document also contains the reference layouts to understand the screen treatment/presentation.
- It also gives the page level audio transcript (wherever applicable). The same would be used to record the audio.
- Terminal learning objectives show the objectives of the module/topic.
- The general comments area poses queries that require comments from customers, reviewers and/or SMEs.

Customer Name:Coates	Project/Course Name: Construction Lifecycle	Module Name: Construction Lifecycle – Engineering Solutions
EI Project Manager: Rashida	Instructional Designer: Majid Sheikh	SME: Steve Webster

Version History			
Date	Version number	Author/Reviewer	Description
08-08-2022	V1.0	Majid	First Internal Draft

Storyboard

Project Brief/Requirement

- Planned <> seat time and Actual <18 mins> seat time
- Language: UK
- Interaction levels: Level 2
- Input documents for creating this document: <Source content / Outline / Learning Map> Construction Lifecycle -Large Projects PPT
- Audio: Yes/No, Recorded by EI or Supplied by client? EID
- Number of VO artists: 1
- Assessment - number of questions, pooling (Eg: 10 of 15): None
- Assessment - Passing score 4q of 5 or 8 of 10q: NA
- Authoring Tool: Articulate Storyline
- List with names of Characters/Cast required in the module: None
- Diversity in characters used: NA
- Overall approach note:
 - The complete course follows a 'Macrolearning' approach.
 - The primary strategy employs a master narrative with topics driven through various interactive formats and animation.
 - There will be use of only real photographs.
 - There will be Knowledge Checks at different junctures of the course.
- All images referred here are from Getty and iStock (<https://www.gettyimages.in/> and <https://www.istockphoto.com/Images> provided by Coates)

Storyboard

Summary of this Storyboard

Topics	Slides	Screens	Seat time	Custom screens
Welcome	4	1		0
Learning Objectives	5	1		0
Learning Journey	6	1		0
Engineering Solutions in Construction	7 to 9	2		0
Markets and Solutions	11 to 15	3		2
Pre-Construction Phase	16 to 36	4		1
Project Awarded and Started	38 to 43	1		0
Ongoing and Completion	45 to 52	3		0
Safety	51 to 53	1		0
Case Study and Resources	58, 59	2		0
Total Seat Time	18 mins			



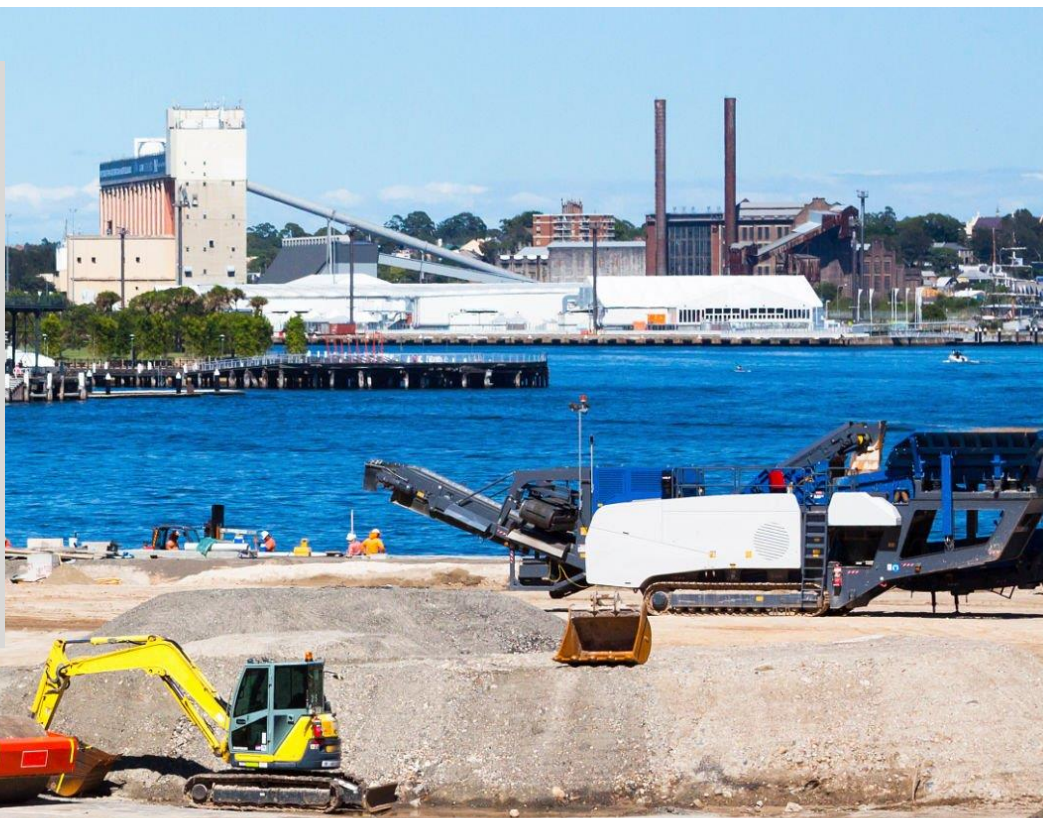
Coates

Welcome to the

Construction Lifecycle – Engineering Solutions

This module has been designed to build your knowledge of a construction site, the offerings provided by Engineering Solutions and all the key criteria involved in the successful completion of a construction project.

LET'S GET STARTED



Audio Transcript:

Welcome to this module on the Construction Lifecycle for engineering solutions. This module has been designed to build your knowledge of a construction site, the offerings provided by Engineering Solutions and all the key criteria involved in the successful completion of a construction project.

Graphic Notes and Image IDs:

Getty id: 535847231



Make sure that your headphones or speakers are connected and working.



A transcript is available on every audio screen.

Learning Objectives

This module will provide you with a more in depth look at the key elements of the Engineering Solutions part in construction projects.

By the end of this module, you will be able to:



Understand at a high level, a typical Engineering Solutions offerings package during a construction project

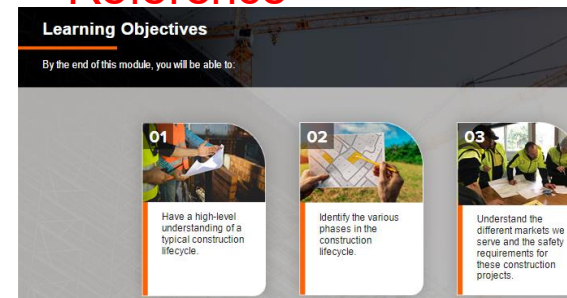


Identify the various phases of construction, and the Engineering Solutions provided during construction lifecycle, including the key Coates and customer roles in each phase and the site safety requirements



Understand the different markets we serve, our current market and the opportunity for growth

<Reference>



Audio Transcript:

This module will provide you with a more in depth look at the key elements of the Engineering Solutions part in construction projects.

By the end of this module, you will be able to:

- Understand at a high level, a typical Engineering Solutions offerings package during a construction project.
- Identify the various phases of construction, and the Engineering Solutions provided during construction lifecycle, including the key Coates and customer roles in each phase and the site safety requirements
- Understand the different markets we serve, our current market and the opportunity for growth

Please press the arrow button for the next slide

Graphic Notes and Image IDs:

Getty image1 id: 587223620

Getty image2 id: 1176022033

Getty image3 id: 899692692



Learning Journey

Select each topic and upon completion you will return to this screen to commence the next topic.

Case Study and Resources

Safety

Ongoing and Completion

Project Awarded and Started

Pre-Construction Phase

Markets and Solutions

Engineering Solutions Projects

Template ID: [Construction Lifecycle - Overview](#)

Screen ID: [Topic 0 | Page 3](#)

Audio Transcript:

Select each topic and upon completion you will return to this screen to commence the next topic.

Graphic Notes and Image IDs:

Icons from noun project:

- Large Construction Projects: 4199071
- Markets and Solutions: 3605084
- Pre-Construction Phase: 4660352
- Project Awarded and Started: 3903554
- Ongoing and Completion : 3626968
- Safety: 3659459
- Case Study and Resources: 3826494

Engineering Solutions in Construction

What does an Engineering Solutions construction project look like?

Few construction, renovation or demolition projects are completed without some form of “temporary works” being required and this is where Coates Engineering Solutions come into play.

“Temporary works” are installations required to provide access, protection, support, or services for workers, equipment and materials during the construction of permanent works.



Audio Transcript:

Do you know what an Engineering Solutions construction project looks like? Let's find out.

Few construction, renovation or demolition projects are completed without some form of “temporary works” being required and this is where Coates Engineering Solutions come into play.

“Temporary works” are installations required to provide access, protection, support, or services for workers, equipment and materials during the construction of permanent works.

Graphic Notes and Image IDs:

Screen is divided into 2 slides

Page 1 of 2

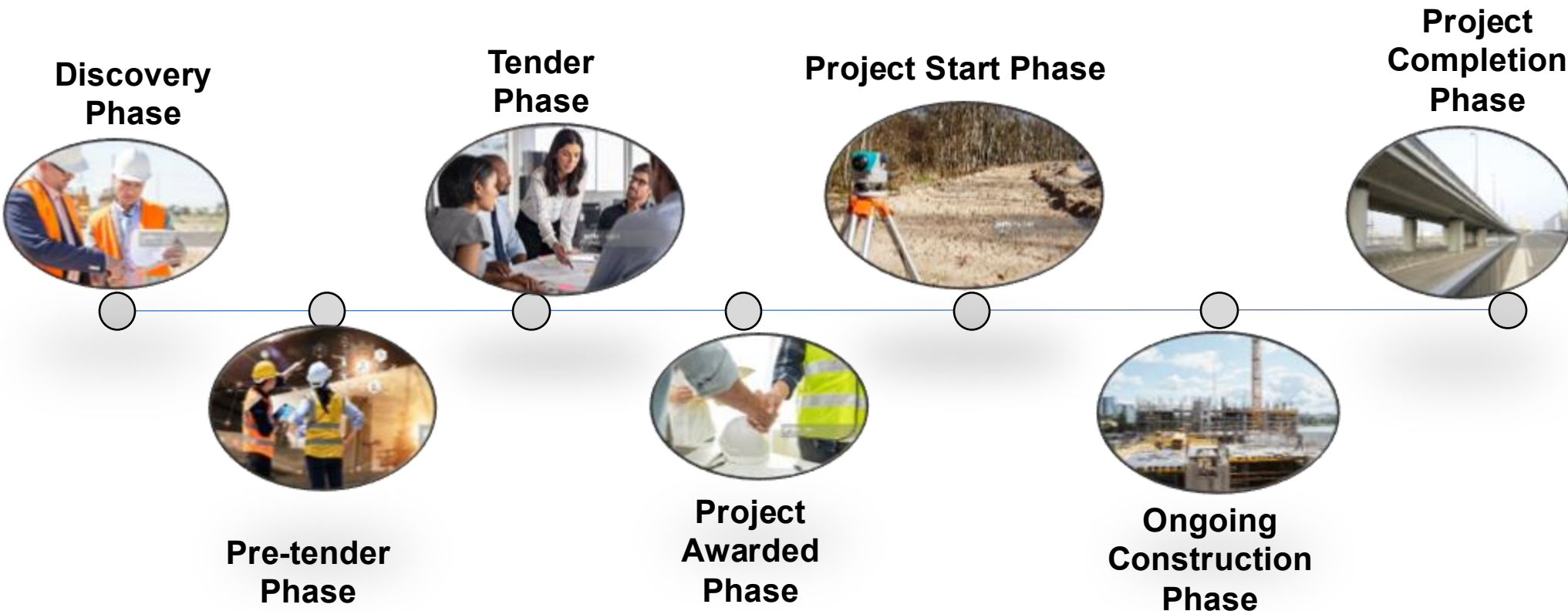
Bring the OST one by one in synch with the audio

Image path:

https://192.168.10.9/svn/2286_TLF_Coates_Construction_LC_9Rise_3SL_modules/00_Sources/Received/From CI

Engineering Solutions in Construction

The phases of the construction project are as listed here:



Audio Transcript:

The seven phases of the construction project are: discovery phase, pre-tender phase, tender phase, project award phase, project start phase, ongoing construction phase and project completion phase.

Graphic Notes and Image IDs:
Screen is divided into 2 slides
Page 2 of 2

Getty Image1 id: 477576484

Getty Image2 id: 477576484

Getty Image3 id: 1189899412

Getty Image4 id: 1336271712

Getty Image5 id: 1218377216

Getty Image6 id: 1337111964

Engineering Solutions in Construction

Let's Begin Our Journey

What is a large construction project?

- Large construction projects are generally over \$100m in value. These projects can be large non-residential, infrastructure or engineering and all include some form of temporary works.
- Large projects are normally controlled by Tier 1 customers or mid tier contractors on a joint venture basis.
- These projects can involve either or both ground works and structural support during the construction process.



Audio Transcript:

So, what is a large construction project? Large construction projects are generally over 100 million dollars in value. These projects can be large non-residential, infrastructure or engineering and all include some form of temporary works.

Large projects are normally controlled by Tier 1 customers or mid tier contractors on a joint venture basis. These projects can involve either or both ground works and structural support during the construction process.

Graphic Notes and Image IDs:

Bring the OST in synch with the audio
Image path:

https://192.168.10.9/svn/2286_TLF_Coates_Construction_LC_9Rise_3SL_modules/00_Source_Received_From_Client/Module 28 -Construction Lifecycle – Engineering Solutions/Banner Pic 1.JPG



Audio Transcript:

Graphic Notes and Image IDs:

Icons from noun project:

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Select each topic and upon completion you will return to this screen to commence the next topic.

Case Study and Resources

Safety

Ongoing and Completion

Project Awarded and Started

Pre-Construction Phase

Markets and Solutions

Large Construction Projects



Addressable Markets

What are the opportunities provided by Construction Projects?

Select each addressable market to learn about it.

Commercial & Manufacturing	Engineering	Events
Government	Industrial Maintenance	Mining
Non-Residential	Oil and Gas	Residential

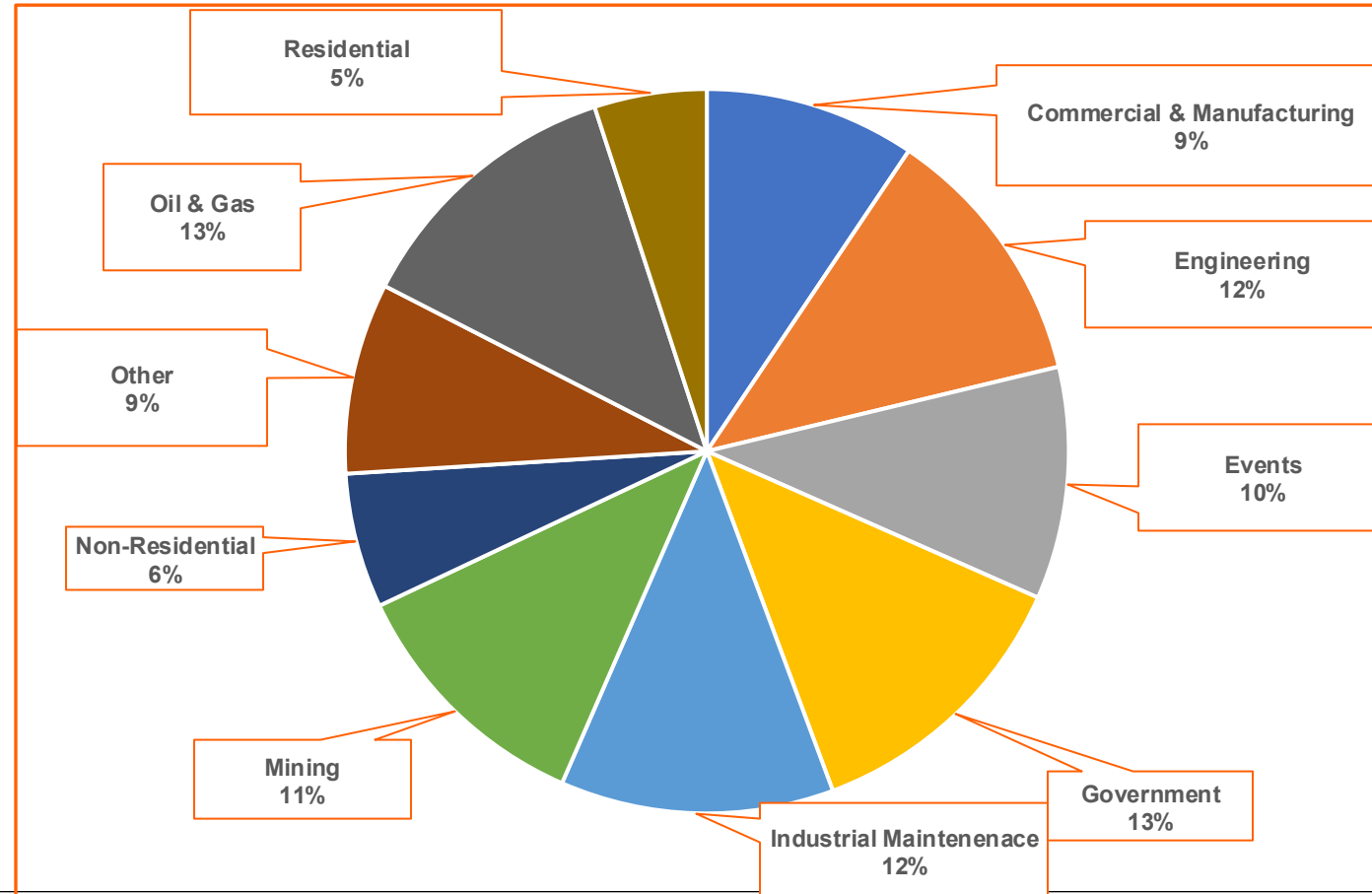
Audio Transcript:
Next, we'll explore the market opportunities provided by construction projects.
Select each addressable market to learn about it.

Graphic Notes and Image IDs:
Interactive screen

Market Overview

Coates Market Share

- Addressable Rental Market- \$5.427bn
- National Rental Market Share - \$4.5bn
- Coates Rental Market Share - \$912.3m (16.8%)



Audio Transcript:

The addressable rental market is around 5.427 billion dollars. The national rental market share is 4.5 billion dollars. Coates rental market share is around 16.8% of the addressable rental market – at 912 million dollars.

The pie chart shows the percentage of revenue market share for each segment in construction projects.

Graphic Notes and Image IDs:

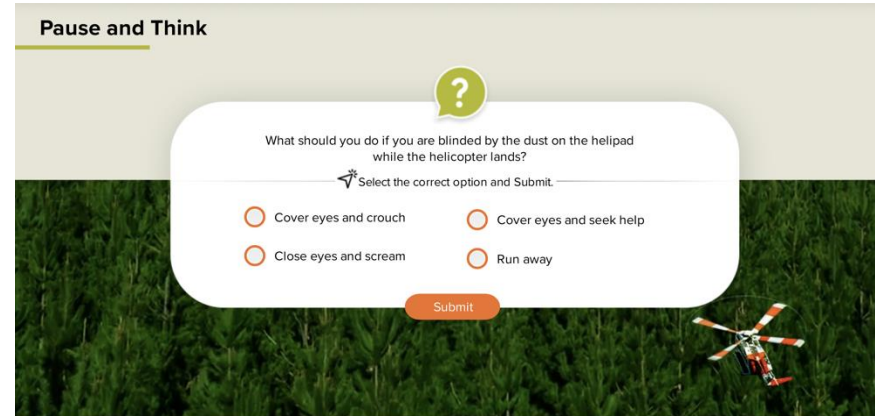
- First the title and OST will appear in synch with the first audio (VO) line.
- Then bring the pie chart in synch with the second (VO) audio line.

Pause and Think

Q – Construction projects can involve either or both ground works and _____ during the construction process?

1. Structural support
2. Completed structures
3. Height Safety
4. Deforestation works

<Answer – 1. Structural support>



Audio Transcript:

It's time to check your knowledge with a quick question.

Graphic Notes and Image IDs:

- Knowledge Check Screen.
- Correct answer is given in green

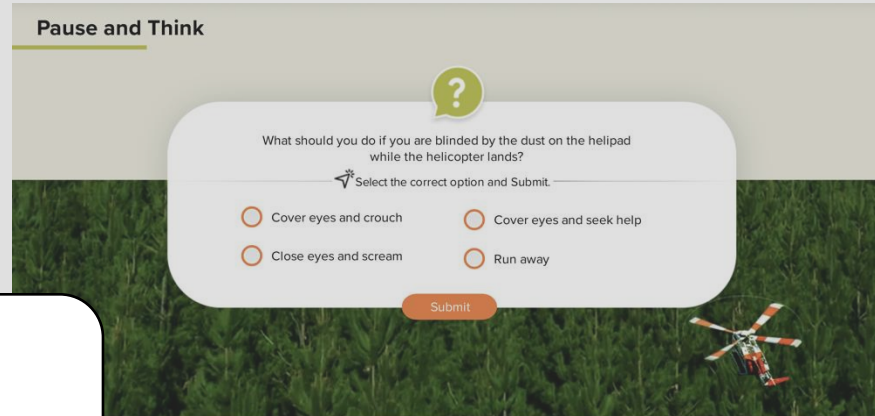
Pause and Think

Q – Construction projects can involve either or both ground works and _____ during the construction process?

1. Structural support
2. Completed structures
3. Height Safety
4. Deforestation work

That's Correct.

<Answer – 1. Structural support



Graphic Notes and Image IDs:
Correct answer feedback

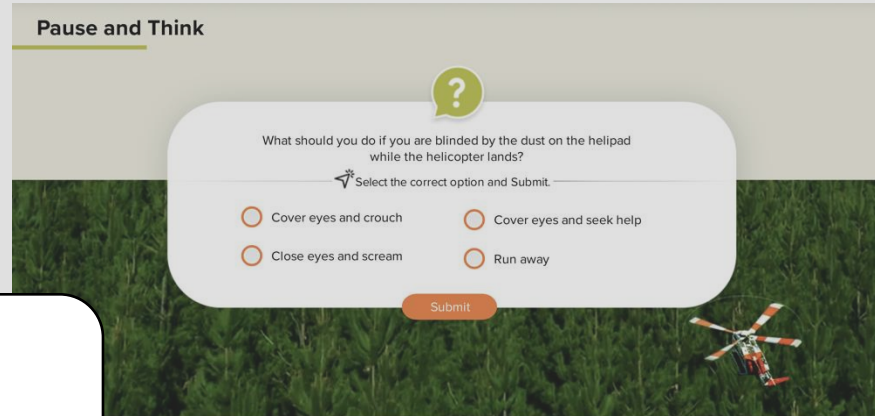
Pause and Think

Q – Construction projects can involve either or both ground works and _____ during the construction process?

1. Structural support
2. Completed structures
3. Height Safety
4. Deforestation work

That's Incorrect.

<Answer – 1. Structural support



Graphic Notes and Image IDs:
Incorrect answer feedback



Audio Transcript:

Graphic Notes and Image IDs:

Icons from noun project:

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ence>



Select each topic and upon completion you will return to this screen to commence the next topic.

Case Study and Resources

Safety

Ongoing and Completion

Project Awarded and Started

Pre-Construction Phase

Markets and Solutions

Large Construction Projects

Pre-Construction (Pre-Award)

The Pre-Award stage of a project include the Discovery, Pre-tender and Tender phases where the Major Project Manager or Major Account Manager works with the Specialist Team members to create a viable submission and present to the client.



Major Account Manager (MAM)

Audio Transcript:

Now that we've reviewed the available markets let's find out what activities take place in the pre-award stage of a construction project. In the pre-award stage of the lifecycle, we review the upcoming construction projects on the various websites and initiate discussions and obtain leads from the client contacts bid teams, procurement and estimators. These client contacts are happy to share the information on the project pipeline.

Graphic Notes and Image IDs:

Screen is split into 3 slides

Slide 1 of 3

Getty image id: 1303212652

Pre-Construction (Pre-Award)

The Pre-Award stage of a project include the Discovery, Pre-tender and Tender phases where the Major Project Manager or Major Account Manager works with the Specialist Team members to create a viable submission and present to the client.



The key actions conducted in the pre-tender and tender phases include:

- Engineering Design and Certification for Temporary Works in the design phase
- Tender pricing based on specifications supplied.
- Legal and commercial reviews and negotiation
- Finalise pricing and supply agreement
- Pre award planning including CRM, Blue Sheets and project checklist
- Preparation of tenders

Audio Transcript:

We also leverage the relationships our Major Project Managers and Major Account Managers have with clients to best position us for future opportunities and the tendering process. This allows us to target the most suitable projects for pre-tender and tender discussions and applications. We then provide Temporary Works submissions and designs prompted by the customers 'Temporary Works' team.' Here are the key actions conducted in the pre-tender and tender phases.

Graphic Notes and Image IDs:

Screen is split into 3 slides
Slide 2 of 3
Getty image id: 1189913210

Pre-Construction (Pre-Award)

The Pre-Award stage of a project include the Discovery, Pre-tender and Tender phases where the Major Project Manager or Major Account Manager works with the Specialist Team members to create a viable submission and present to the client.

Select each card to learn more about the actions taken in the pre-award stage.

How do I know
about an
upcoming
project?



Who's responsible
for winning a Major
Project in each
region?



How do we manage
the information
regarding an
upcoming major
project?



Audio Transcript:

Select each card to learn more about the actions taken in the pre-award stage.

Graphic Notes and Image IDs:

- Screen is split into 3 slides
- Slide 3 of 3
- After the animation, introduce a flip card interactivity
- Icons: 2373373, 1087176, 2790034

Pre-Construction (Pre-Award)

The Pre-Award stage of a project include the Discovery, Pre-tender and Tender phases where the MAM works with the MPM and the Specialist Team members to create a viable submission and present to the client.

Select each card to learn more about the actions taken in the pre-award stage.

- State Notifications
- Tender websites
- Cordell Connect
- Client Relationships
- Pre-tender and pre contract managers
- Temporary Works teams

- The Major Account Manager owns the major customer relationships in each region and is responsible for leading sales activity.
- They will be supported by the Major Project Manager

- Engineering Design and Certification for temporary works in the design phase
- Tender pricing based on specifications provided.
- Pricing strategy reviewed
- Contractual review (Commercial Manager and Legal)

Audio Transcript:

Graphic Notes and Image IDs:
Pop-ups f(Back side of cards)
When learner selects each card, they will see this on-screen text at the back of the cards.

Roles & Responsibilities

The key client contacts during these phases of the project are numerous and in some cases these relationships continue throughout the project.

Select each team to learn about them.



Temporary Works Team



Bids Teams



Engineers



Construction Directors & Managers



HSE Team – Procurement, Finance, Legal etc.



Contractor Administrators



Project & Site Managers



Contractors

Audio Transcript:

In the pre-award stage, the project team members are responsible for maintaining key client contacts. The key client contacts during these phases of the project are numerous and in some cases these relationships continue throughout the project. Select each team to learn about them.

Graphic Notes and Image IDs:

Getty ids: 1227423993, 1266590907, 622798662, 1189913210, 884713728, 1189899504, 1300987434, 1011361402

Roles & Responsibilities

The key client contacts during these phases of the project are numerous and in some cases these relationships continue throughout the project.

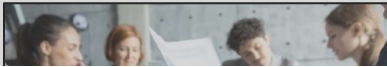
Select each team to learn about them.



Temporary Works Team

Temporary Works Team

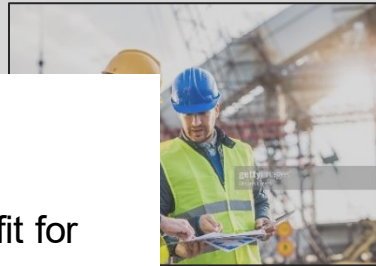
Ensure temporary works are fit for purpose



HSE Team – Procurement, Finance, Legal etc.



Contractor Administrators



Engineers



Project & Site Managers



Construction Directors & Managers



Contractors

Graphic Notes and Image IDs:

Selecting each image will open a call out box and not a pop-up window.

Roles & Responsibilities

The key client contacts during these phases of the project are numerous and in some cases these relationships continue throughout the project.

Select each team to learn about them.



Temporary Works Team



Bids Teams



Directors & Managers

Bids Teams

A typical bidding team project manages a tender or sales proposal and can include a bid director, bid manager, bid writers, a bid coordinator and designer.



HSE Team – Procurement, Finance, Legal etc.



Contractor Administrators



Project & Site Managers



Contractors

Graphic Notes and Image IDs:

Selecting each image will open a call out box and not a pop-up window.

Roles & Responsibilities

The key client contacts during these phases of the project are numerous and in some cases these relationships continue throughout the project.

Select each team to learn about them.



Temporary Works Team



Bids Teams



Engineers

Engineers

A project engineer's role is to provide technical support and engineering expertise for the effective execution of a project.



HSE Team – Procurement, Finance, Legal etc.



Contractor Administrators



Project & Site Managers



Contractors

Graphic Notes and Image IDs:

Selecting each image will open a call out box and not a pop-up window.

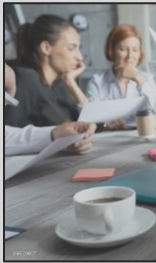
Roles & Responsibilities

The key client contacts during these phases of the project are numerous and in some cases these relationships continue throughout the project.

Select each team to learn about them.



Temporary Works Team



Bids

Construction Directors & Managers

Supervise all personnel working on construction project including construction and project managers, field staff, and administrative personnel.



Construction Directors & Managers



HSE Team – Procurement, Finance, Legal etc.



Contractor Administrators



Project & Site Managers



Contractors

Graphic Notes and Image IDs:

Selecting each image will open a call out box and not a pop-up window.

Roles & Responsibilities

The key client contacts during these phases of the project are numerous and in some cases these relationships continue throughout the project.

Select each team to learn about them.



Temporary Works Team



Bids Teams



Engineers



Construction Directors & Managers



HSE Team – Procurement, Finance, Legal etc.

Manage, apply and ensure adherence to Project policies, procedures and the specific Interface Documentation.

HSE Team – Procurement, Finance, Legal etc.



Site Managers



Contractors

Graphic Notes and Image IDs:

Selecting each image will open a call out box and not a pop-up window.

Roles & Responsibilities

The key client contacts during these phases of the project are numerous and in some cases these relationships continue throughout the project.

Select each team to learn about them.



Temporary Works Team



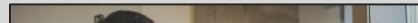
Bids Teams



Engineers

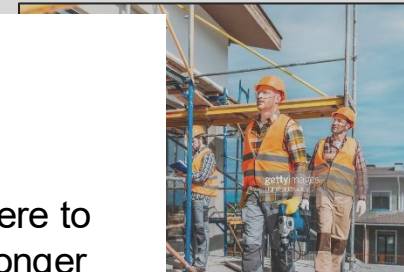


Construction Directors & Managers



HSE Team – Procurement, Finance, Legal etc.

A contract administrator is there to make life easier, create a stronger document and initiate a strong employer/contractor relationship.



Contractors



HSE Team – Procurement, Finance, Legal etc.



Contractor Administrators

Graphic Notes and Image IDs:

Selecting each image will open a call out box and not a pop-up window.

Roles & Responsibilities

The key client contacts during these phases of the project are numerous and in some cases these relationships continue throughout the project.

Select each team to learn about them.



Temporary Works Team



Bids Teams



Engineers



Construction Directors & Managers



HSE Team – Procurement,
Finance, Legal etc.



Contractor Administrators



Project & Site Managers

Project & Site Managers

Are responsible for the day to day on site running of the construction project.

Graphic Notes and Image IDs:

Selecting each image will open a call out box and not a pop-up window.

Roles & Responsibilities

The key client contacts during these phases of the project are numerous and in some cases these relationships continue throughout the project.

Select each team to learn about them.



Temporary Works Team



Bids Teams



Engineers



Construction Directors & Managers



HSE Team – Procurement, Finance, Legal etc.



Contractor Administration

Contractors

A construction contractor is a firm or an individual that completes construction projects on a contractual basis.



Contractors

Graphic Notes and Image IDs:

Selecting each image will open a call out box and not a pop-up window.

Coates Engineering Solutions Options

The pre-award stage involves the arrangement of the required equipment and solutions.

Select each number to learn about the key equipment tendered for these projects.



Audio Transcript:

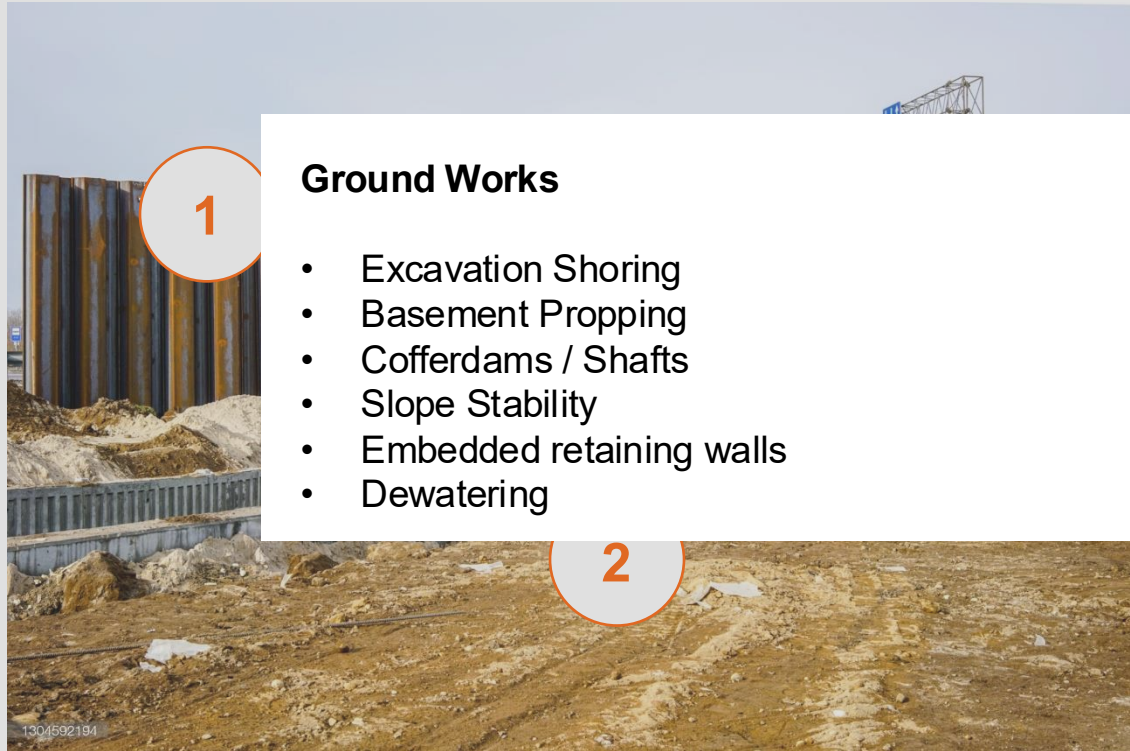
The pre-award stage also involves the arrangement of the required equipment and solutions. Select each number to learn about the key equipment tendered for these projects.

Graphic Notes and Image IDs:
Custom Hotspot Interactivity.
Getty id: 1304592194

Coates Engineering Solutions Options

The pre-award stage involves the arrangement of the required equipment and solutions.

Select each number to learn about the key equipment tendered for these projects.



1

Ground Works

CLOSE

- Excavation Shoring
- Basement Propping
- Cofferdams / Shafts
- Slope Stability
- Embedded retaining walls
- Dewatering

2

1304592194

Audio Transcript:

Graphic Notes and Image IDs:
Pop-up for number 1.

Coates Engineering Solutions Options

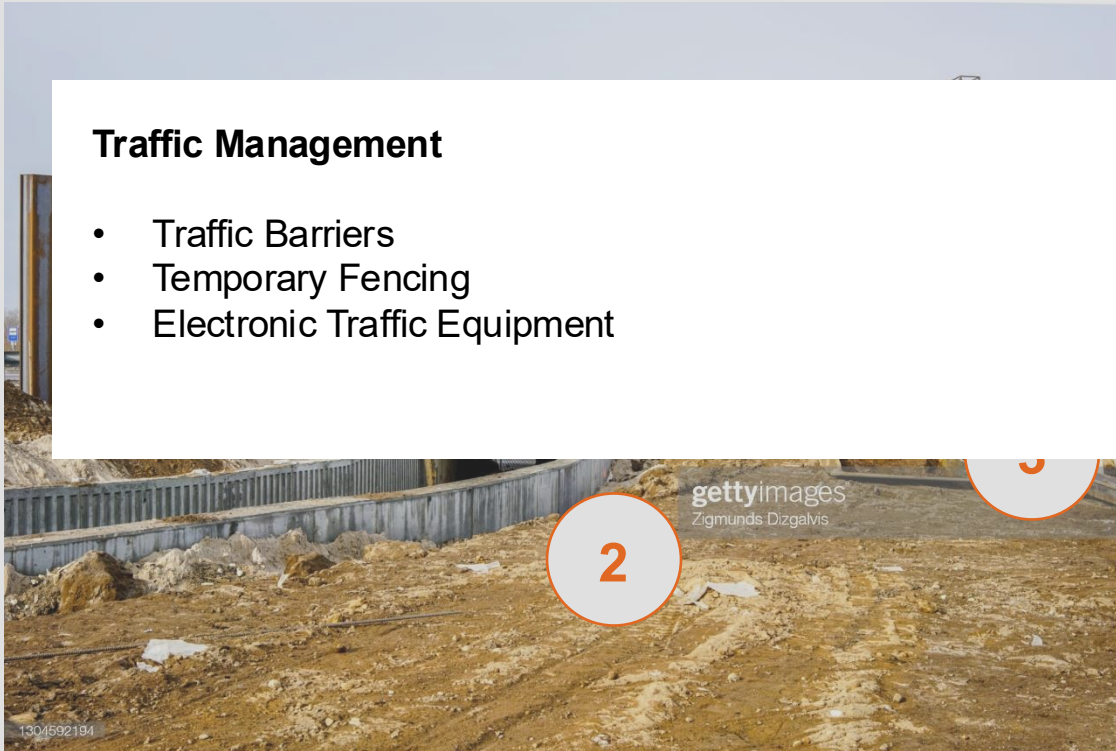
The pre-award stage involves the arrangement of the required equipment and solutions.

Select each number to learn about the key equipment tendered for these projects.

Traffic Management

- Traffic Barriers
- Temporary Fencing
- Electronic Traffic Equipment

CLOSE



Audio Transcript:

Coates Engineering Solutions Options

The pre-award stage involves the arrangement of the required equipment and solutions.

Select each number to learn about the key equipment tendered for these projects.

Structural Support

- Propping
- Temporary Platforms / Decks / Roofs
- Façade Retention
- Bridging
- Bridge Jacking / Propping

CLOSE

3

2

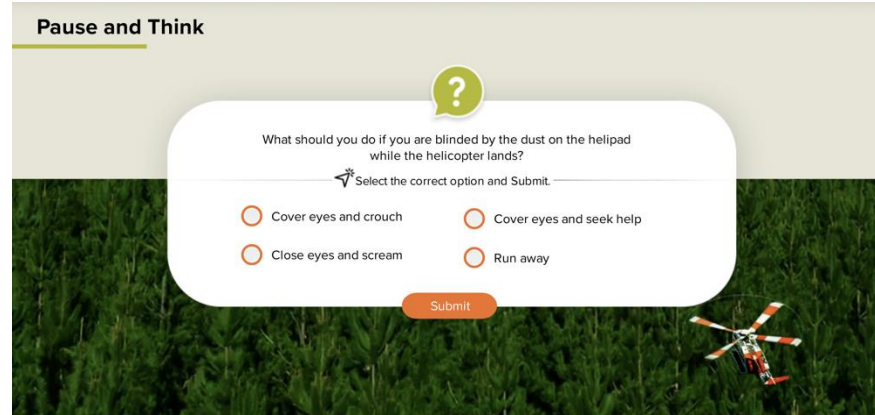
Graphic Notes and Image IDs:
Pop-up for number 3.

Pause and Think

Q – Dewatering is a part of which of the following key equipment options?

1. Structural support
2. Ground Works
3. Traffic Management

<Answer – 2. Ground Works>



Template ID: [Construction Lifecycle - Ov](#)

Screen ID: [Topic 3 | Page 4](#)

Audio Transcript:

It's time again to check your knowledge of the topics learned so far.

Graphic Notes and Image IDs:

- Knowledge Check Screen.
- Correct answer is given in green

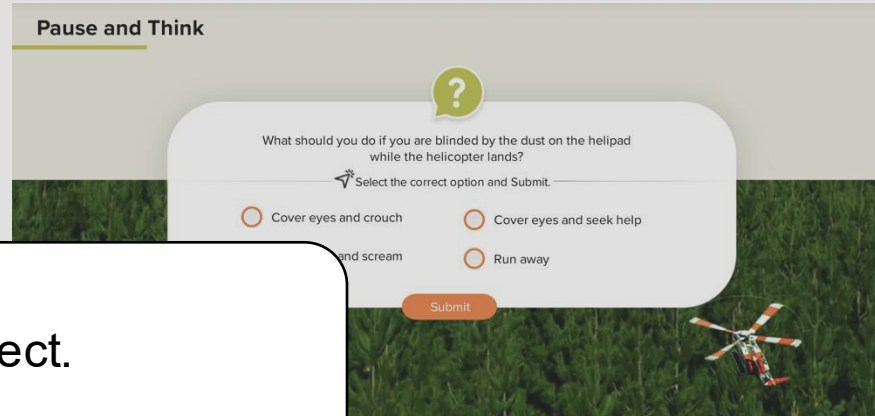
Pause and Think

Q – Dewatering is a part of which of the following key equipment options?

1. Structural support
2. Ground Works
3. Traffic Management

<Answer – 2. Ground Works>

That's Correct.



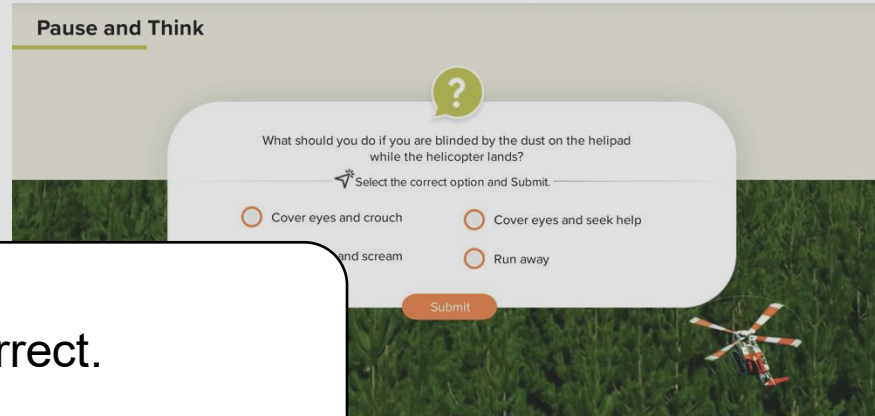
Pause and Think

Q – Dewatering is a part of which of the following key equipment options?

1. Structural support
2. Ground Works
3. Traffic Management

<Answer – 2. Ground Works>

That's Incorrect.





Audio Transcript:

Graphic Notes and Image IDs:

Icons from noun project:

- Large Construction Projects: 4199071
- Markets and Solutions: 3605084
- Pre-Construction Phase: 4660352
- Project Awarded and Started: 3903554
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ence>



Select each topic and upon completion you will return to this screen to commence the next topic.

Case Study and Resources

Safety

Ongoing and Completion

Project Awarded and Started

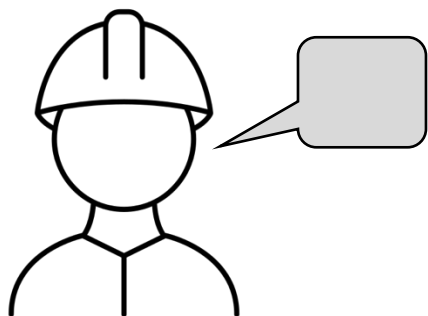
Pre-Construction Phase

Markets and Solutions

Large Construction Projects

Project Awarded and Started

Now we have celebrated winning the project, it's time to get into the real work of helping to bring the project to life!



Temporary Works
Engineer – Ima Legend

Once the project has been awarded, each of our key sales roles have some key functions to perform to ensure the project commences smoothly.

Starting with the Major Project Manager taking over the responsibility and working with me to ensure both the principal builder and the all of the contractors are being connected with in regard to correct pricing, equipment, service delivery and site induction requirements.'

Audio Transcript:

Once the project has been awarded, each of our key sales roles have some key functions to perform to ensure the project commences smoothly. Starting with the Major Project Manager taking over the responsibility and working with me to ensure both the principal builder and the all of the contractors are being connected with in regard to correct pricing, equipment, service delivery and site induction requirements.'

Graphic Notes and Image IDs:

Screen is split into 2 slides

Slide 1 of 2

Noun project Icon id: 3899898

This slide will have voiceover of Temporary Works Engineer – Ima Legend.

Project Awarded and Started

Now we have celebrated winning the project, it's time to get into the real work of helping to bring the project to life!

 **Select each team to learn about their responsibilities.**

Major Project Managers

Major Account Managers

Product Specialist

Branch Manager (Specialist Branch)

Site Inductions



Major Project Managers

- CRM – Link contractors to the relevant project
- Take over management of project
- Demonstrate Coates Connect portal to customers – tracking orders, invoicing etc.
- Finalise pricing & supply agreement for all contractors

Audio Transcript:

Select each team to learn about their responsibilities.

Graphic Notes and Image IDs:

There will be tab interactivity here.
Getty image id: 1392930338

Project Awarded and Started

Now we have celebrated winning the project, it's time to get into the real work of helping to bring the project to life!

➤ **Select each team to learn about their responsibilities.**

**Major Project
Managers**

**Major Account
Managers**

Product Specialist

**Branch Manager
(Specialist Branch)**

Site Inductions



Major Account Managers

- Relationship management with Principal Builder – Project managers, directors, site manager, HSE manager, contractor administration & engineers.
- Reviewing additional sales opportunities -
 - Service delivery
 - Price Book allocated Principal Builder account
 - Equipment delivery and plant packs provided

Audio Transcript:

Select each team to learn about their responsibilities.

Graphic Notes and Image IDs:

There will be tab interactivity here.
Getty image id: 1178215681

Project Awarded and Started

Now we have celebrated winning the project, it's time to get into the real work of helping to bring the project to life!

 **Select each team to learn about their responsibilities.**

**Major Project
Managers**

**Major Account
Managers**

Product Specialist

**Branch Manager
(Specialist Branch)**

Site Inductions



Product Specialist

Ensure appropriate equipment is allocated to the project.

Audio Transcript:

Select each team to learn about their responsibilities.

Graphic Notes and Image IDs:

There will be tab interactivity here.
Getty image id: 1387636862

Project Awarded and Started

Now we have celebrated winning the project, it's time to get into the real work of helping to bring the project to life!



Select each team to learn about their responsibilities.

Major Project
Managers

Major Account
Managers

Product Specialist

Branch Manager
(Specialist Branch)

Site Inductions



Branch Manager (Specialist Branch)

- Equipment delivery and plant packs provided
- Support function to MPM's

Audio Transcript:

Select each team to learn about their responsibilities.

Graphic Notes and Image IDs:

There will be tab interactivity here.
Getty image id: 1174262205

Project Awarded and Started

Now we have celebrated winning the project, it's time to get into the real work of helping to bring the project to life!

➤ **Select each team to learn about their responsibilities.**

**Major Project
Managers**

**Major Account
Managers**

Product Specialist

**Branch Manager
(Specialist Branch)**

Site Inductions



Site Inductions

- Site specific and industry
- 3D Safety/Damstra/Pegasus

Audio Transcript:

Select each team to learn about their responsibilities.

Graphic Notes and Image IDs:

There will be tab interactivity here.
Getty image id: 1332833500

Icons from noun project:

- Large Construction Projects: 4199071
- Markets and Solutions: 3605084
- Pre-Construction Phase: 4660352
- Project Awarded and Started: 3903554
- Ongoing and Completion : 3626968
- Safety: 3659459
- Case Study and Resources: 3826494

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Select each topic and upon completion you will return to this screen to commence the next topic.

Case Study and Resources

Safety

Ongoing and Completion

Project Awarded and Started

Pre-Construction Phase

Markets and Solutions

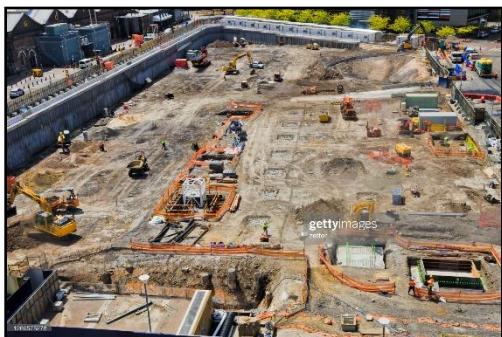
Large Construction Projects

Ongoing and Completion Phases

The ongoing construction phase is the physical process of conducting the construction work, final fit out and all other associated activities utilising the Temporary Works solutions such as Traffic Management, Ground Works and Structural Support.

The contractors and tradespersons typically perform the construction work during the ongoing phase.

Select each image to learn about the equipment used in ongoing and completion phases.



Traffic Management



Ground Works



Structural Support

Audio Transcript:

The ongoing and completion phases are the final phases of the construction project. The ongoing construction phase is the physical process of conducting the construction work, final fit out and all other associated activities utilising the Temporary Works solutions such as Traffic Management, Ground Works and Structural Support. Select each image to learn about the equipment used in ongoing and completion phases.

Graphic Notes and Image IDs:

Click image interactivity.

Image 1 Getty id: 1269575278

Image 2:

https://192.168.10.9/svn/2286_TLF_Coates_Construction_LC_9Rise_3SL_modules/00_Source_Received_From_Client/Module 28 -Construction Lifecycle

Ongoing and Completion Phases

The ongoing construction phase is the physical process of conducting the construction work, final fit out and all other associated activities utilising the Temporary Works solutions such as Traffic Management, Ground Works and Structural Support.

The contractors and tradespersons typically perform the construction work during the ongoing phase.

Traffic Management

The TGS (Traffic Guidance Scheme) is put in place.

- Traffic Barriers
- Temporary Fencing
- Electronic Traffic Equipment



Traffic Management



Ground Works



Structural Support

CLOSED in ongoing and completion phases.

Audio Transcript:

Graphic Notes and Image IDs:
Pop-up for 'Traffic Management'

Ongoing and Completion Phases

The ongoing construction phase is the physical process of conducting the construction work, final fit out and all other associated activities utilising the Temporary Works solutions such as Traffic Management, Ground Works and Structural Support.

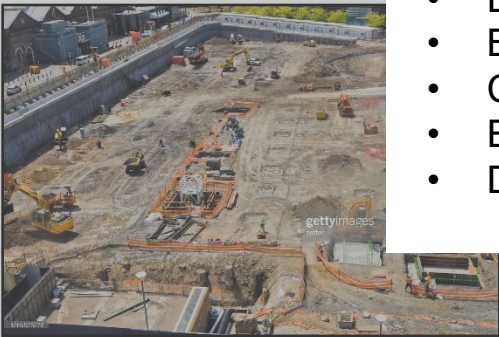
The contractors and tradespersons typically perform the construction work during the ongoing phase.

Select each image to view the ongoing and completion phases.

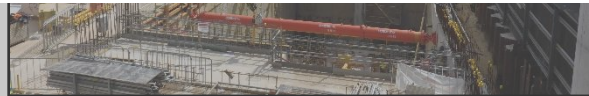
Ground Works

- Excavation Shoring
- Basement Propping
- Cofferdams/Shafts
- Embedded retaining walls
- Dewatering

CLOSE



Traffic Management



Ground Works



Structural Support

Audio Transcript:

Graphic Notes and Image IDs:
Pop-up for 'Ground Works'

Ongoing and Completion Phases

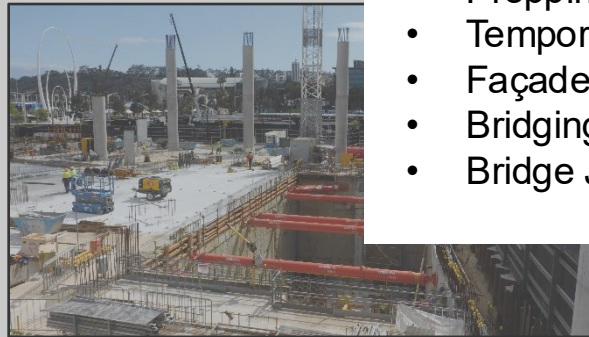
The ongoing construction phase is the physical process of conducting the construction work, final fit out and all other associated activities utilising the Temporary Works solutions such as Traffic Management, Ground Works and Structural Support.

The contractors and tradespersons typically perform the construction work during the ongoing phase.

Select each image to learn about the equipment



Traffic Management



Ground Works

Structural Support

CLOSE

- Propping
- Temporary Platforms / Decks / Roofs
- Façade Retention
- Bridging
- Bridge Jacking/Propping



Structural Support

Audio Transcript:

Graphic Notes and Image IDs:
Pop-up for 'Structural Support'

Completion Phase

At the completion of the construction project, there are many tasks still requiring some attention and action to ensure a successful close-out.

- Disputes /DSO (Days Still Outstanding) and any missing equipment issues resolved
- External customer interview using project tracker report
- Lead generation for any other projects.
- De-mobilisation of fleet
- Certification documents provided



Audio Transcript:

At the completion of the construction project, there are many tasks still requiring some attention and action to ensure a successful close-out.

These key tasks include:

- Disputes or Days Still Outstanding and missing equipment issue resolved.
- External customer interview using project tracker report,
- Lead generation for any other projects.
- De-mobilisation of fleet, and
- Certification documents provided

Graphic Notes and Image IDs:

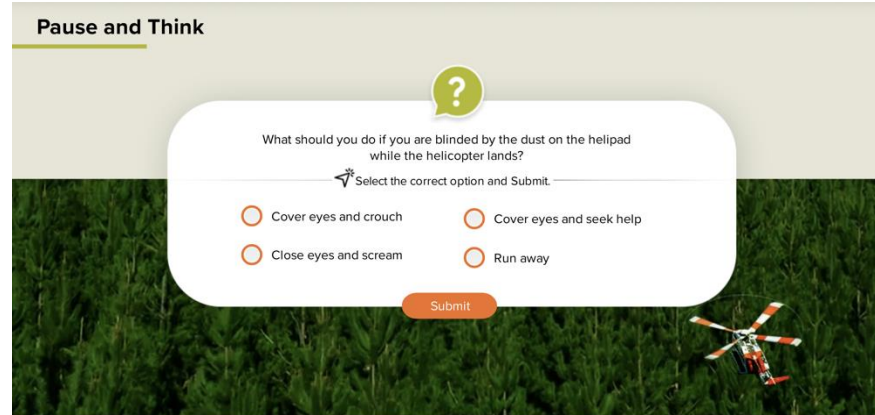
Getty id: 184326635

Pause and Think

Q – The Certification documents are provided to the customer during the Tender phase?

1. True
2. False

<Answer – 2. False



Audio Transcript:

Let's check your knowledge with another question.

Graphic Notes and Image IDs:

- Knowledge Check Screen.
- Correct answer is given in green

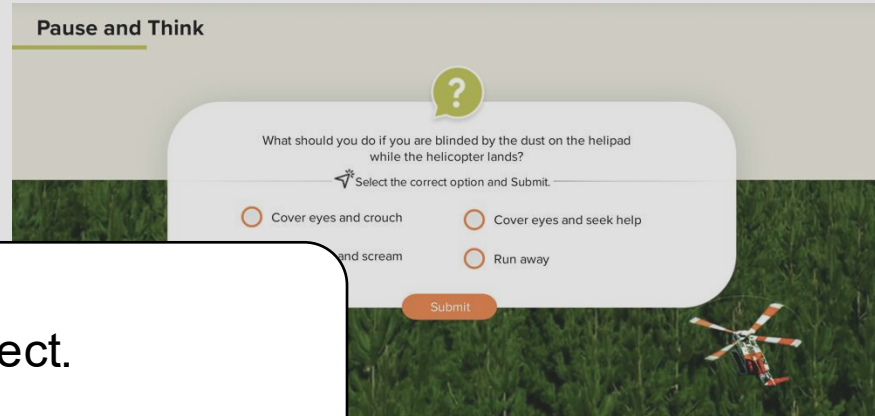
Pause and Think

Q – The Certification documents are provided to the customer during the Tender phase?

1. True
2. False

<Answer – 2. False

That's Correct.



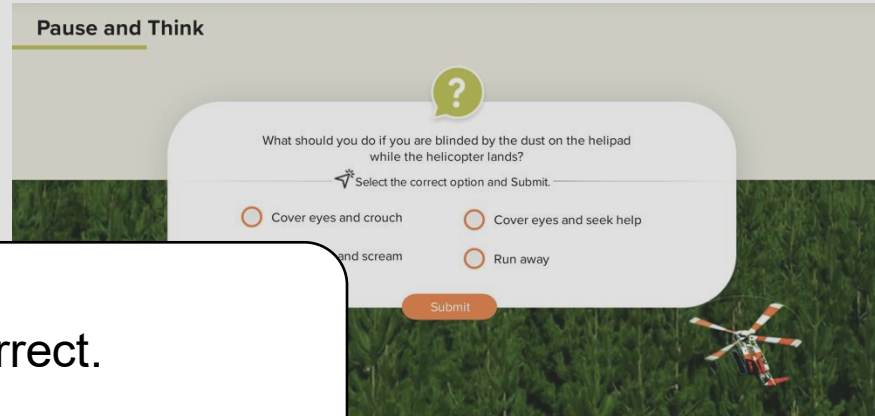
Pause and Think

Q – The Certification documents are provided to the customer during the Tender phase?

1. True
2. False

<Answer – 2. False

That's Incorrect.





Audio Transcript:

Graphic Notes and Image IDs:

Icons from noun project:

- Large Construction Projects: 4199071
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- Pre-Construction Phase: 4660352
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- Ongoing and Completion : 3626968
- Safety: 3659459
- Case Study and Resources: 3826494

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Select each topic and upon completion you will return to this screen to commence the next topic.

Case Study and Resources

Safety

Ongoing and Completion

Project Awarded and Started

Pre-Construction Phase

Markets and Solutions

Large Construction Projects



Site Safety

SITE SAFETY NOTICE

Under the Health and Safety at Work Act 1974 all persons entering this site must comply with all regulations under this act. All visitors must report to the site office and obtain permission to proceed onto the site or any work area. All safety signs and procedures must be observed and the relevant personal protection and safety equipment must be used at all times.

Unauthorized entry to this site is strictly prohibited

Danger Construction work in progress
Parents are advised to warn children of the dangers of entering construction sites

High visibility jackets must be worn

Safety helmets must be worn

Protective footwear must be worn

What are the Site Safety Requirements?

Select each safety requirement to learn about it.

1. Health & Safety	▽
Health and Safety is embodied in everything we do and we work closely with our customers to create.	
2. Site Induction	▽
3. Compliance	▽

Audio Transcript:

Safety is important for all Coates employees and partners during the construction stages. The site safety requirements include site induction, health and safety and compliance. . Select each safety requirement to learn about it.

Graphic Notes and Image IDs:

Show Accordion interactivity here. Image from slide 16 of the source content – Source content path - https://192.168.10.9/svn/2286_TLF_Coates_Construction_LC_9Rise_3SL_modules/00_Source_Received_From_Client/Module 28 -



Site Safety

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Protective footwear must be worn

What are the Site Safety Requirements?

Select each safety requirement to learn about it.

1. Health & Safety

▼

2. Site Induction

▼

All construction sites have a Safety Induction which must be completed by all personnel attending the site.

3. Compliance

▼

Audio Transcript:

Graphic Notes and Image IDs:



Site Safety

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What are the Site Safety Requirements?

Select each safety requirement to learn about it.

1. Health & Safety

2. Site Induction

3. Compliance

All product supplied and engineering work is compliant with the relevant Australian Standards, Codes and Regulations including ‘Safety in Design’, along with quality assured ‘Issued for Approval/Construction’ drawings.

Audio Transcript:

Graphic Notes and Image IDs:

Icons from noun project:

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Select each topic and upon completion you will return to this screen to commence the next topic.

Case Study and Resources

Safety

Ongoing and Completion

Project Awarded and Started

Pre-Construction Phase

Markets and Solutions

Large Construction Projects

Case Study– Telstra’s ‘live’ Exchange - Sydney

Telstra’s redevelopment of a ‘live’ exchange in Sydney was a complex project that required deep excavation and a safe shoring solution.

Read the case study to see how Coates Engineering Solutions solved a complex problem for our customer.

Select the link below to see the case study.

[Telstra’s ‘live’ Exchange - Sydney](#)



Audio Transcript:

Telstra’s redevelopment of a ‘live’ exchange in Sydney was a complex project that required deep excavation and a safe shoring solution. Read the case study to see how Coates Engineering Solutions solved a complex problem for our customer. Select the link [Select the link](#) to see the case study.

Graphic Notes and Image IDs:

Image from slide 18 of the source content

Case Study link:

<https://coateshire.sharepoint.com/sites/Oursolutions/SiteAssets/Forms/AllItems.aspx?id=%2Fsites%2FOursolutions%2FSiteAssets%2FSiteD>



Want More Information?

Available Resources

- Equipment Solutions visit the Coates Website - [Equipment Categories](#)
- Engineering Solutions visit the Coates Website - [Engineering Solutions](#)
- Sales Tool Engineering Solutions brochure- [Engineering Solutions Pack](#)
- Safety Documentation - [Fleet Portal](#)
- For all marketing Brochures/Flyers/Enquiry Forms & Technical Links – [Product Brochures](#)

Audio Transcript:

To find out more about the Coates Products and Solutions, you can navigate to any of these sites from the links listed here.

Graphic Notes and Image IDs:



Screen ID:

Audio Transcript:

Thank you and congratulations on completing this Construction Lifecycle - Engineering Solutions module. Select 'Menu' to revisit any topic or 'Exit' to close the module.



Thank you and congratulations on completing this **Construction Lifecycle - Engineering Solutions** module.

Select 'Menu' to revisit any topic or 'Exit' to close the module.



Graphic Notes and Image IDs:

Image from:

[https://192.168.10.9/svn/2286_TLF_Coates_Construction_LC_9Rise_3SL_module/00_Source_Received_From_Client/Module 28 -Construction Lifecycle – Engineering Solutions/IMG_0141.jpg](https://192.168.10.9/svn/2286_TLF_Coates_Construction_LC_9Rise_3SL_module/00_Source_Received_From_Client/Module%2028-Construction%20Lifecycle-Engineering%20Solutions/IMG_0141.jpg)