

A VIEW of Costain

Supporting notes and a tour.

The objective for a *VIEW of Costain* was to provide an insight into a company that moves its base of operations around geographically to where the customer requires a service. This is in contrast to several other VIEW applications involving large companies that have a static base of operations.

The evidence is intended to provide support to the Applied GCSE Business but meets some of the objectives for the pilot Applied GCSE in Construction. A VIEW of Costain also makes a significant contribution to the requirements of Work Related Learning at Key Stage 4.

Costain is a company with a wide portfolio of activity across the world and this is presented to the student by accessing a short piece of video highlighting some of the company's high profile achievements in civil engineering. The improvement scheme website is included on the CD and the user is directed to the Costain company website for further background information.

Costain operates a site as a mini business in its own right. The site is equipped with a site office and all the aspects of a business that you would expect to find in a dedicated building can be found in the temporary site offices.

The virtual tour offers access to parts of the site offices and construction site.

A tour

The tour will direct you to visit the site offices and then the construction site. If you follow the tour you will see all the panoramic images and most of the evidence including the interviews. Please read the accompanying narrative as it contains valuable information and further clues to help you move around and become familiar with the site.

The following descriptions make reference to the numbers used to identify positions on the VIEW Costain maps. The maps can be downloaded as a single document from the website www.futurevu.com

Start the VIEW of Costain software

Click on 'enter' and you will see a simple map to help the student locate the site. If you click on the 'read the introduction' you will find out about the requirement for the construction of the improvement scheme.

If you click on 'watch the video' you will find out more about the work Costain undertakes across the world.

Or you can click to go straight down onto the site.

The site office entrance

When you arrive at the site you will find your self at the entrance to the office complex, (map position 1). From here you can;
Head towards the offices
Move towards the construction site
Move towards the site entrance.

Before you move, rotate and checkout the timelines for a site map and bridge map. Compare this with the VIEW map and orientate yourself to the site.

Choose to move towards the site offices, (mp2).

Outside the office (mp 2)

As you face the site office, checkout the 101 things about Costain document on the timeline.

You can also view the Costain video again at this point if you wish.

If you rotate and checkout the timelines you can access interviews with;

Estimating Manager

BDV Recovery

CCTV/ surveillance

Checkout the site rules under the Costain sign on the building. Click on the board for a closer look.

You can click on the stores and the security 'hut' to find out more about those functions.

From here you can go inside the office or past the right hand side of the offices to the site accommodation compound. Go over to the compound (mp 11) and look around and the return to the office entrance, (mp2). Go into the office, (mp3).

At reception (mp3)

Look around and check

The safety information on the timelines to the right.

The two hot spotted docs on the wall opposite the reception hatch

Checkout the 'partnership charter' doc above the welcome sign facing north.

Move forward into the corridor, (mp4).

Reception area corridor (mp4)

Look around,

A newspaper article is available on a timeline

Checkout the noticeboard on the south side of the corridor for a few more h&s notices

Checkout the performance review KPI doc on the wall facing approx north-west

Click on the h&s noticeboard (north west) to access an [interview with the safety, health and the environment manager.](#)

You cannot move left but you can move right. Checkout the VIEW map for a reminder.

Move down the corridor, (mp5).

You are outside the visitor's centre in the corridor (mp5).

Rotate and check the timelines for;

Four environmental documents

Costain heartbeat and marketing docs

An [interview with the Business Dev Mgr](#)

Check the environmental alerts on the board

Check the KPIs on the board.

Check the project plans on the board

Go into the visitor's centre, (mp6).

The visitor's centre (mp6).

Rotate and review the timelines, lookout for;
The penalty sheet
The improvement newsletter
The improvement scheme
The community meeting
Ecological report
Gold award
And the interview with the Public Relations Manager

Checkout the mitigation poster
Checkout the model in the middle of the room

Checkout the web reference to the site website as it was at that time (needs IE as default browser)

Return to the corridor, (mp5).
Move further down the corridor, (mp7).

At the corner between the two corridors (mp7).

Rotate and checkout the timelines;
Interview the accounts clerk and the document controller
The Costain blueprint magazine

Click on the office entrance and find out about the site accountant
Click on the conference room

Move further down the corridor, (mp8).

Outside the Project Manager's office (mp8)

Rotate around and check the timelines, including;
iCosnet
The project plan
Building awareness documents
An interview with the Recruitment Manager

Checkout the picture on the wall
Checkout the recruitment notice board for several documents
Checkout the bridge stages displays

Click on the door for the Project Manager's interview

Click on the door to the Commercial Manager's Office (mp9) and go in.

The Commercial Manager's office (mp9)

Look around the office
Check the timelines for;
An interview with the IT Support
Asset Management document

Click on the Commercial Manager for an interview
Click on the PC screen for some work in progress
Click on the vision statement poster on the wall
Click on the filing cabinet for the Annual Report
Click on the folders for a management policy document
Click on the plan for a site diagram

Go back outside to the corridor, (mp8).

Move further down the corridor, (mp10).

Outside the HR Manager's office (mp10)

Rotate around and check the timelines, including;
The lengthy HR documents
Read about the cleaner's role
Interview the IT services manager

Click on the office door to interview the HR Manager

This is as far as you can go in the corridor.

Go back along the corridor and find your way outside the office, back to map point 1 where you started.

Now for the second part of the tour, around the construction site.

Moving around the construction site.

Make sure you are back at the entrance to the site office compound. This is where you entered the Costain Improvement Scheme.

Rotate to face right and move forward to map point 12, (mp12).

Looking out from the site office side of the carriageway (mp12)

You are looking out over the new carriageway

Use the timeline to view the area one month in the past

Use the timeline to view the bridgemap and sitemap to see where you are.

Move down the stairs towards the carriageway, (mp13).

Between bridge 5 and 7 (mp13)

Rotate around and check the timelines,

Check the views one month in the future

Listen to the [interview with the safety officer](#)

You can move right towards the M4 underpass

You can move left towards the south most end of the work

You can move across the road and up the far embankment.

Move across the road and up the stairs, (mp14).

Looking out from the opposite side of the carriageway (mp14)

Rotate around and check the timelines,

There are some views of the site

Return down the stairs to the carriageway, (mp13).

Between bridge 5 and 7 (mp13)

Move towards the M4 underpass, (mp15). This is the longest stretch towards the geographically northmost point of the site.

Between Bridge 7 and the underpass (mp15)

Rotate around and check the timelines,
Interview the works manager
Find out about edge protection

Move towards the M4 underpass, (mp16).

South side of the M4 underpass (mp16)

Rotate around and check the timelines,
Interview the section manager
Also check the link to Simon's PowerPoint presentation at the end of the narrative
The bridge construction
Digging through
The open day

View part of the work one month ahead and behind
Deep drainage images

End wall construction
How the underpass was constructed images

Move through the underpass, (mp17).

In the underpass (mp17)

Rotate around and check the timelines,
Read about John, the Senior Foreman
Deep drilling
Bridge 1 structure

Move through to the outside of the underpass, (mp18).

North side of the M4 underpass (mp18)

Rotate around and check the timelines,
Look at the underpass construction images
Look back and forward one month at this point

Move north along the A34, (mp19).

Close to bridge 4 (mp19)

Rotate around and check the timelines,
Draining excavations
Completion images

Move north along the A34, (mp20).

North most point on a bridge (mp20).

Rotate around and check the timelines,
Interview the traffic safety control officer
Interview the traffic management supervisor
Checkout the traffic management images

Now move south back along the A34 to the point this side of the M4 underpass,
(mp18).

First...

Close to bridge 4 (mp19)

And then...

North side of the M4 underpass (mp18)

Rotate to look to the right hand side of the carriageway – arrow facing up.
Click to move up the embankment, (mp25).

On the underpass embankment (mp25)

Rotate around and check the timelines,
Site map

Click on the jcb for some images

Move towards the drainage pond, (mp24).

At the drainage pond (mp24)

Rotate around and check the timelines,
Check the three documents and the images

Move towards the side of the M4, (mp22).

The north side of the M4 carriageway (mp22)

Rotate around and check the timelines,
Slip road construction

Move parallel to the M4 towards the Equestrian bridge, (mp23).

At the equestrian bridge (mp23)

Rotate around and check the timelines,
Bridge demolishing

Return back along the M4 to the north side of the M4 (mp22).

The north side of the M4 carriageway (mp22)

Move to the south side of the M4, (mp21).

The south side of the M4 carriageway (mp21)

Rotate around and check the timelines,
The 'penalties for lane closures' document is repeated here
Views from the air

Facing the hotel, click to go down the south side of the embankment back onto the
carriageway

You return to the south side of the underpass, (mp16).

South side of the M4 underpass (mp16)

Move south to mp15.

Between Bridge 7 and the underpass (mp15)

Move south to mp13

Between bridge 5 and 7 (mp13)

Now you will move southwards

Move towards the Newbury end of the site, (mp26).

Close to bridge 5 (mp26)

Rotate around and check the timelines,
Interview the land survey manager

Face the embankment to the left as you face south along the carriageway. Go up the embankment to mp 29.

On the bridge 8 slip road (mp29)

Rotate around and check the timelines,
Find out about the supply chain manager
Interview Paul, the materials manager
View the area one month into the future

Move up to bridge 8, (mp30).

On bridge 8 (mp30)

Rotate around and check the timelines,
Working on bridge 8

Move back down the slip road to mp29.

On the bridge 8 slip road (mp29)

Move towards the equestrian bridge, (mp27).

Under the equestrian bridge (mp27)

Rotate around and check the timelines,
View one month into the future
Construction waste

Move towards the south most point, (mp28).

South of the equestrian bridge (mp28)

Rotate around and check the timelines,
Interview the section engineer

Now move back towards the equestrian bridge, (mp27).

Under the equestrian bridge (mp27)

Turn left and move onto the entrance road, (mp31).

On the entrance road close to the equestrian bridge (mp31)

Rotate around and check the timelines,
Bridge 9 construction

Interview the project planner

You could from here move north towards the site compound but to complete the tour move in the opposite direction to exit the Costain site, (mp32).

At the site entrance (mp32)

There are no timelines

Move towards a bridge view, (mp33).

At the road junction (mp33)

There are no timelines

Move onto the bridge, (mp34).

A south most bridge view (mp34)

Rotate around and check the timelines,
Look at future images

You have completed the tour of the Costain site and visited all the rotary images and evidence.