

## A VIEW of Ford: Automation tours

These instructions are intended only as a guide to help locate work based evidence. At each step the user is advised to look around, read any narrative, pickup on timelines and hotspots and listen to any contribution made by the tour guide.

The tour is not intended as material for students directly. It is to help teachers and others familiarise themselves with part of the virtual workplace and to use in any way in developing classroom based materials.

FutureVu welcomes contributions by those who have developed their own ‘tours’ and classroom resources. Email copies to [info@futurevu.com](mailto:info@futurevu.com) and we will post contributions to the website with full acknowledgement.

### Tour 1

Direction / Instruction	Question / Look out for...
Enter Ford through the main gate Enter “A Building”. Move forward (east) Move forward (east) again Move forward (east) again until you have the stairs on your left and the robot cages to your right. Rotate right (south) to face the robot cages...	... What are the cages for ? Click on the image to see a short video of the robots in action? Both the <i>movement</i> of the underbody and the <i>welding</i> is automated. What advantage does this offer over a human workforce?
End	

### Tour 2

Direction / Instruction	Question / Look out for...
Enter Ford through the main gate Enter “A Building”. Look for the green board on the right – the ‘parts table’ and click on it. Look carefully at the series of images...	... What are the orange buttons for ? Each part has a number to identify it. How has it been made easier to remember the part that the number refers to, ?
End	

### Tour 3

Direction / Instruction	Question / Look out for...
<p>Enter Ford through the main gate Enter "A Building". Move forward (east) Rotate right to face south Move forward (south) Rotate left to face east Move forward (east) Move forward (east) again Move forward (east) once more ...</p> <p>Rotate right to face south Move forward (south)</p> <p>Use the 'back' button to return to the rotary image.</p>	<p>... if you can see some red tool boxes close to you then you are in the right place.</p> <p>Can you see the underbody to the right ? Use the timeline to view the video extract. The underbody is moved by machines but why do they turn it upside down?</p>
<p>Rotate left to face east Move forward (east)</p>	<p>Look around here, read the information provided and use the timeline. You will see two small monitor screens. What are they for?</p>
<p>Rotate left to face east Move forward (east) Rotate right to face south Move forward (south) past the body shell on the right. Rotate left to face east Move forward (east) Move forward (east) again Rotate right to face south.</p> <p>Use the 'back' button to return to the rotary image.</p>	<p>... You should be facing the fork lift truck. Use the timeline to look at the video extract showing the body side assembly. Look at how machines and employees work together fixing the sides of the van.</p>
<p>Rotate left to face east Move forward (east) Move forward (east) again Rotate right to face south...</p>	<p>... use the timeline to find out what the 'framing line' is.</p>
<p>Rotate left to face east Move forward (east) Rotate right to face south Move forward (south) Rotate right to face west...</p>	<p>... use the timeline to see the robots in action as part of the framing line.</p>
<p>End</p>	

## Tour 4

Direction / Instruction	Question / Look out for...
<p>Enter Ford through the main gate            Stay outside A Building and rotate right to face south-east.            Move ahead (south-east) and continue around the edge of the building towards B Building.            Move ahead (south-east) again.            Move ahead (south-east) once again.            Move ahead (east) towards B Building            Move ahead (east) again            Move ahead (east) again            Rotate to face north and you will see an entrance to B Building</p>	<p>We will move past A building and around to B Building</p> <p>Checkout the narratives in the rotaries outside the building to find out more about Ford.</p>
<p>Enter B Building            Move ahead (north)            Move ahead (north) again...</p>	<p>...look for the stairs on the right. Click on the stairs for a short video extract of what is happening in the area to the right. Here you will find examples of machines welding components and moving parts within the area and back to A Building.</p>
<p>Use the back button to return to the rotary image.            Rotate right to face east....</p>	<p>.. You will see a small monitor display. Click on this and explore how this system helps with production.</p>
<p>Rotate right to face south            Move ahead (south)            Move ahead (south) again            Rotate left to face south east            Move ahead (east)            Move ahead (east ) again            Rotate left to face north            Move ahead (north)            Rotate right to face east            Move ahead (east)            Rotate left to face north...</p>	<p>... look at the monitor and use the timeline to explore how maintaining stock levels around the plant has been automated.</p>
<p>End</p>	

## Tour 5

Direction / Instruction	Question / Look out for...
<p>Enter Ford through the main gate            Stay outside A Building and rotate right to face south-east.            Move ahead (south-east) and continue around the edge of the building towards B and C Building.            Move ahead (south-east) again.            Move ahead (south-east) once again.            Move ahead (east) towards B and C Building            Move ahead (east) again            Move ahead (east) again            Move ahead (east) once again past B Building            Rotate left to face north east            Move ahead (north) around B Building (to the right of the 10mph sign)            Move ahead (north) towards C Building            Move ahead (north) again            Rotate left to face west and click to enter C Building            Move ahead (north)            Rotate right to face east            Move ahead (east). You are facing a blue wall            Rotate left to face north            Move ahead (north)            Move ahead (north) again. You should see a red delivery vehicle ahead of you and company notices to your right.            Rotate left to face west            Move ahead (west)            Move ahead (west) again            Move ahead (west) once again            Move ahead (west) one more time            Rotate left to face south, (the windscreen fitting area)...</p>	<p>We will move past A building and B Building, moving around to C Building</p> <p>Checkout the narratives in the rotaries outside the building to find out more about Ford.</p> <p>... checkout the timelines to find out more about how the process of the windscreen installation has been automated.</p>
End	