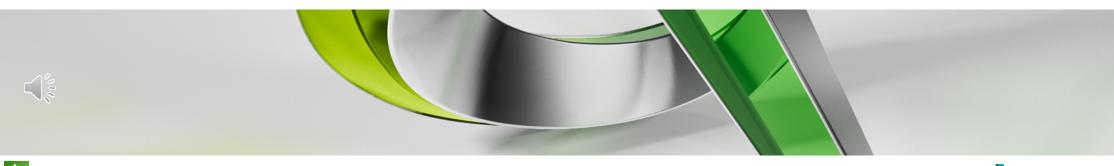
### **Fabrication ESTmep 2016 The Basics - Getting Started**

Dave Mangham – A.G.Coombs Senior Project Draftsman







#### **Class summary**

This class is a basic introduction in Fabrication ESTmep 2016 software for the beginner. We will explore the software from opening it to producing estimates based on a designer's PDF background. We will manipulate spreadsheet data and import into the Fabrication ESTmep environment. We will also set up fabrication and labour tables and mapping to service buttons. You will also learn how to create simple material and labour reports based on an imported vector PDF design drawing.

Basic working knowledge of ESTmep would be

advantageous if attending this demo.





FABRICATION ESTMEP 2016

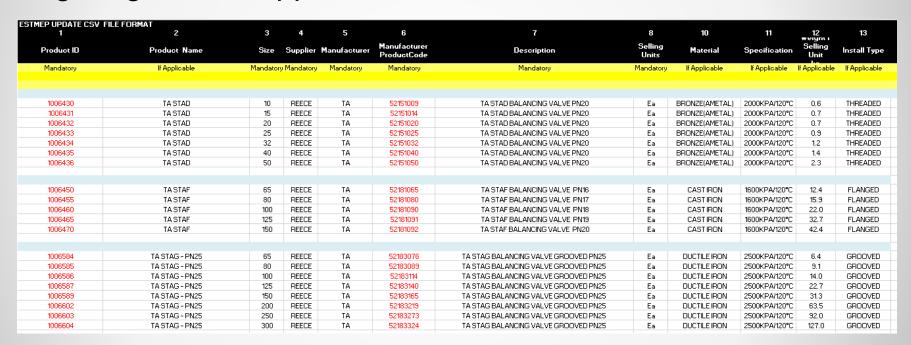
#### **Key learning objectives**

At the end of this Instructional demo, you will have an insight into:

- Importing supplier data to the product information editor and database price lists.
- Setting up fabrication and install labour tables.
- Creating Ancillary Kits from ancillaries.
- Creating simple reports based on duct and pipe trace of designer's vector
  PDF



Configuring Excel Supplier Price Lists

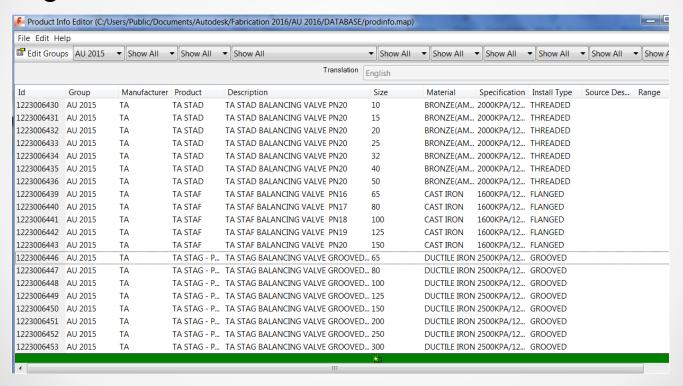


Supplier price lists standardised & configured to suit EST interface.





Populating the Product Information Editor.

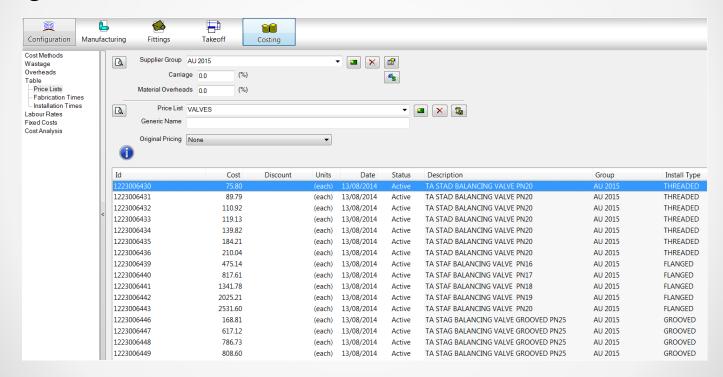


A one off exercise populating the P.I.E. with supplier data.





Populating a Database Price List



Import your supplier prices into the EST database price list section.





Live Demonstration (Screencast)

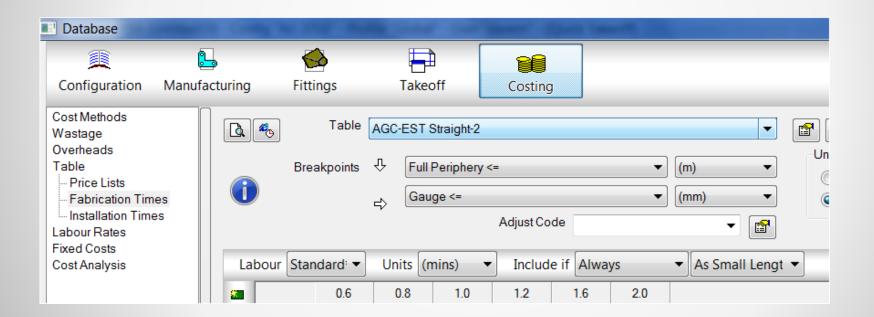


Pre-determine your data



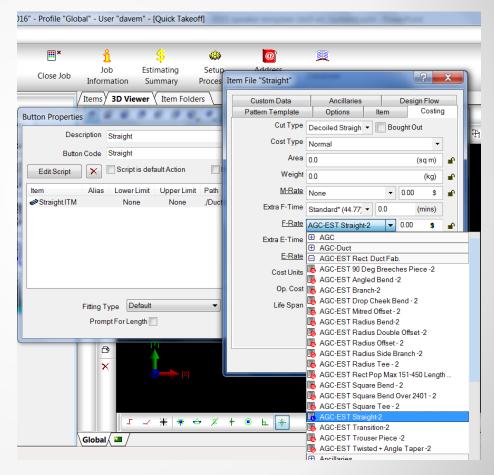


Determine your parameters for break points.





Mapping buttons with tables.





Live Presentation (Screencast)

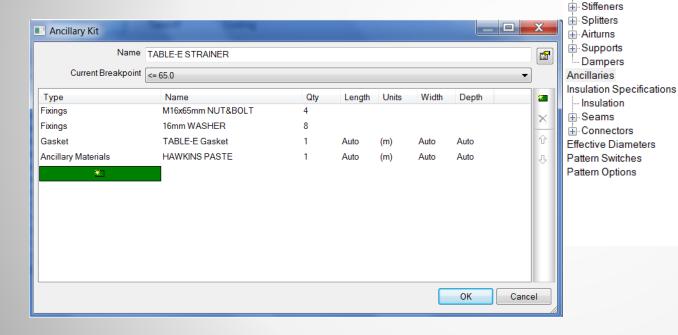


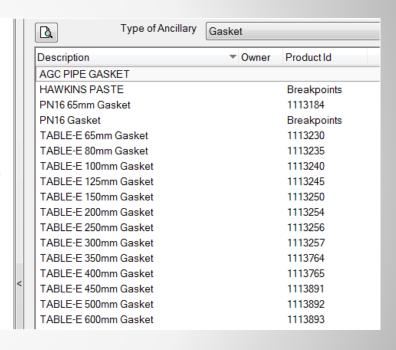
Pre-determine kit requirements

| A A                       | В        | С                       | D                     | E                      | F          | G                        | Н                        | 1 1                | К               |         |          |
|---------------------------|----------|-------------------------|-----------------------|------------------------|------------|--------------------------|--------------------------|--------------------|-----------------|---------|----------|
| 6 Copper                  | Spacings | 10 15 2                 | 10 0 173              | FI                     |            | I I TILL C               | CHW                      | A 1 Till 1         | HHW             |         |          |
| 7 Nominal pipe size (mm   | Pipe (m) | Hanger rod diameter (mm | Hanger rod length (m) | Flexistrut Cle         |            |                          |                          |                    |                 |         |          |
| 8 15<br>9 20              | 1.5      | 10                      | 1                     | FM153-M10<br>FM153-M10 |            |                          | FM123-015E<br>FM123-020E | 25 0.48<br>25 0.48 |                 |         |          |
| 10 25                     | 2        | 10                      |                       | FM'                    | ) I DAM    | 5   30                   | 111123-0200              | 7 25 7 0.40        | 1 111123-0200 1 |         |          |
| 11 32                     | 2.5      | 10                      |                       | FM:                    | Α          | В                        |                          | С                  | D               | E       | F        |
| 12 40                     | 2.5      | 10                      |                       | FM:                    |            | _                        |                          | _                  |                 | _       |          |
| 13 50                     | 2.5      | 10                      |                       | FM 1                   |            |                          |                          |                    |                 |         |          |
| 14 65                     | 2.5      | 12                      |                       | FM 2                   |            | Pair of Table "E" flange | 00                       |                    |                 |         |          |
| 15 80<br>16 100           | 3<br>3   | 12                      |                       | TAA:                   |            | Fair Of Table E Hallge   | -3                       |                    |                 | -       | <u> </u> |
| 17 125                    | <u>3</u> | 16                      |                       | FM 3                   | N.B        | Bolts No off             |                          | Bolt Dia & length  | Nuts            | Washers | Gasket   |
| 18 150                    | 3        | 20                      |                       | EAA:                   | <i>C</i> E | 1                        | <del> </del>             |                    | 4               | 0       | Voc      |
| 19 200                    | 4        | 20                      |                       | FM: 4                  | 65         | 4                        |                          | M16 X 50           | 4               | 8       | Yes      |
| 20                        |          |                         |                       | 5                      | 80         | 4                        |                          | M16 X 50           | 4               | 8       | Yes      |
| 21 Steel                  |          |                         |                       |                        |            |                          | -                        |                    |                 |         |          |
| 22 Nominal pipe size (mm) | Pipe (m) | Hanger rod diameter (mm |                       | Flexis 6               | 100        | 8                        |                          | M16 X 50           | 8               | 16      | Yes      |
| 23 15<br>24 20            | 2 2      | 10                      |                       | FM 7                   | 125        | 8                        |                          | M16 X 50           | 8               | 16      | Yes      |
| 25 25                     | 2.5      | 10                      |                       | EM:                    |            |                          | -                        |                    |                 | +       |          |
| 26 32                     | 3        | 10                      |                       | FM 8                   | 150        | 8                        |                          | M20 X 60           | 8               | 16      | Yes      |
| 27 40                     | 3        | 10                      |                       | FM 9                   | 200        | 8                        |                          | M20 X 80           | 8               | 16      | Yes      |
| 28 50<br>29 65            | 3<br>3   | 10                      |                       |                        |            |                          |                          |                    |                 | -       | 163      |
| 30 80                     | 3<br>4   | 12                      |                       | FM 10                  | 250        | 12                       |                          | M20 X 80           | 12              | 24      | Yes      |
| 31 100                    | 4        | 16                      |                       |                        | 200        | 13                       |                          | M20 V 90           | 12              | 24      | Vac      |
| 32 125                    | 4        | 16                      |                       | FM: ±±                 | 300        | 12                       |                          | M20 X 80           | 12              | 24      | Yes      |
| 33 150                    | 4        | 20                      |                       | FM: 12                 | 350        | 12                       |                          | M24 X 100          | 12              | 24      | Yes      |
| 34 200                    | 5        | 20                      |                       | FM"                    |            |                          | +                        |                    |                 | -       |          |
| 35 250<br>36 300          | 5<br>5   | 25<br>25                |                       | FM: 13                 | 400        | 12                       |                          | M24 X 100          | 12              | 24      | Yes      |
| 36 300<br>37 350          | <u>5</u> | 25                      |                       | FM: 14                 | 450        | 16                       |                          | M24 X 100          | 16              | 32      | Yes      |
| 38 400                    | 5        | 25                      |                       | EM:                    |            |                          |                          |                    |                 |         |          |
| 39 450                    | 5        | 25                      | 1                     | FM: 15                 | 500        | 16                       |                          | M24 X 130          | 16              | 32      | Yes      |
| 40 500                    | 5        | 25                      |                       | FM 16                  | 600        | 16                       |                          | M30 X 160          | 16              | 32      | Yes      |
| 41 600                    | 5        | 25                      | 1                     | FM 16                  | 000        | 10                       |                          | M120 V 100         | 10              | 32      | 162      |
| CF                        |          |                         |                       | 17                     |            |                          |                          |                    |                 |         | 1        |



- Compile table of ancillaries.
- Build your kits.





Materials

- Facings

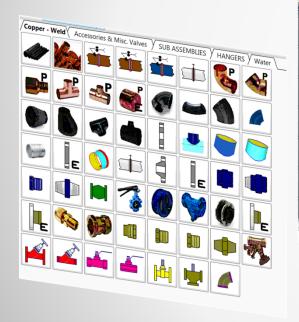
Seams

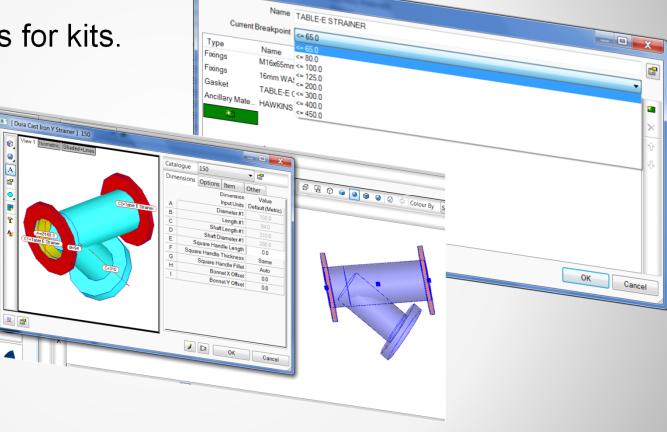
Specifications



Configure breakpoints for kits.

Apply to connectors





Ancillary Kit



Live Demonstration (Screencast)

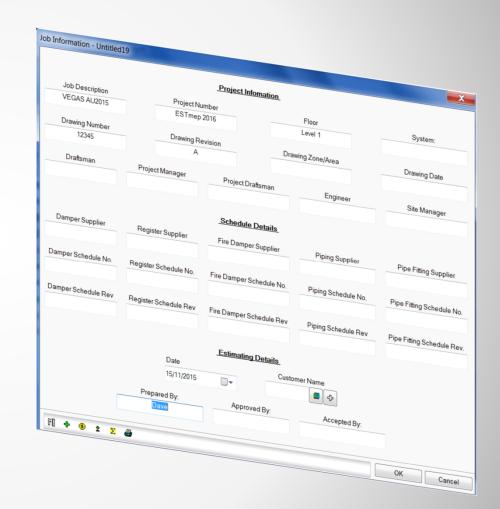


Pre-determine required data to report out.
 Map out what you want to see in your report.

| 4  | A           | В        | С       | D    | Е      | F     | G        | Н            |
|----|-------------|----------|---------|------|--------|-------|----------|--------------|
| 1  | Ductwork    |          |         |      |        |       |          |              |
| 2  | Service     | Material | Guage   | Size | Length | Sqr/m | Fab Time | Install Time |
| 3  |             |          |         |      |        |       |          |              |
| 4  | Hangers     | Rod      | Support | Nuts |        |       |          |              |
| 5  |             |          |         |      |        |       |          |              |
| 6  | Ancillaries | Bolts    | Clips   | Tape |        |       |          |              |
| 7  |             |          |         |      |        |       |          |              |
| 8  | Pipework    |          |         |      |        |       |          |              |
| 9  | Service     | Material |         | Dia  | Length | Qty   | Price    | Install Time |
| 10 |             |          |         |      |        |       |          |              |

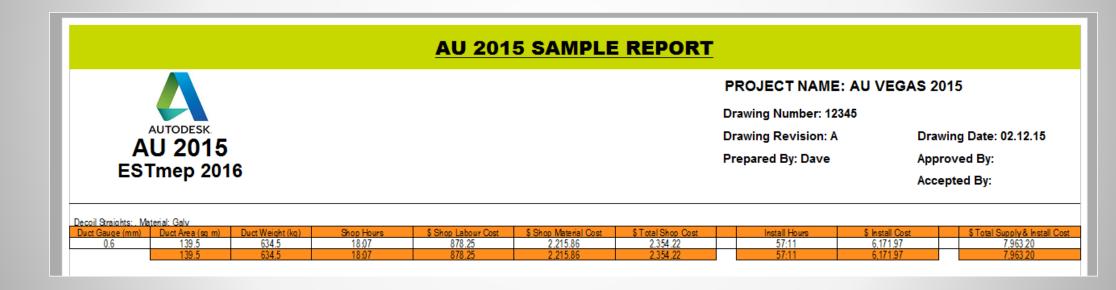


Populate your Job Information.





Configure your Report Header and report fields.





Live Demonstration (Screencast)



#### Be heard! Provide AU session feedback.

- Via the Survey Stations, email or mobile device.
- AU 2016 passes awarded daily!
- Give your feedback after each session.
- Give instructors feedback in real-time.





#### Forget to take notes? No problem!

After AU visit:

**AutodeskUniversity.com** 

Click on My AU to find:

- Class Recordings
- Presentations
- Handouts

All of your sessions will be there to enjoy again and again.





#### **More Questions? Visit the AU Answer Bar**

- Seek answers to all of your technical product questions by visiting the Answer Bar.
- Open daily 8am-10am and Noon-6pm and located just outside of Hall C on Level 2.
- Staffed by Autodesk developers, QA, & support engineers ready to help you through your most challenging technical questions.







