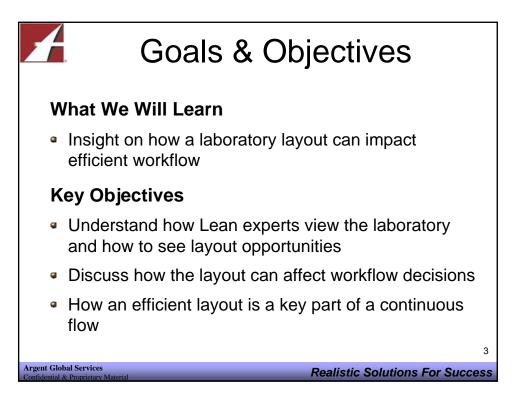
Lab Quality Confab 🔅 Atlanta, Georgia 🛠 September 30, 2009

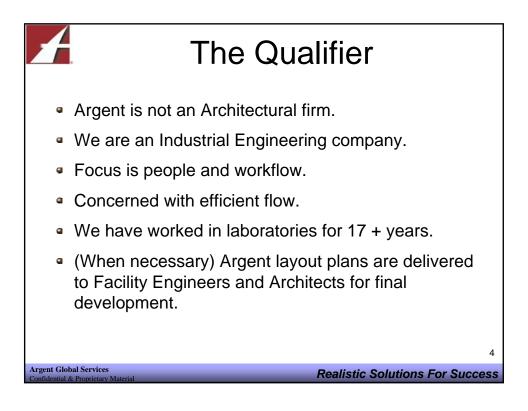
## Achieving Lean Workflow By Improved Layout of the Laboratory

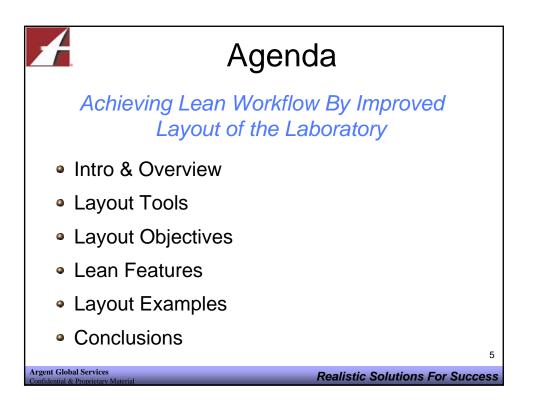


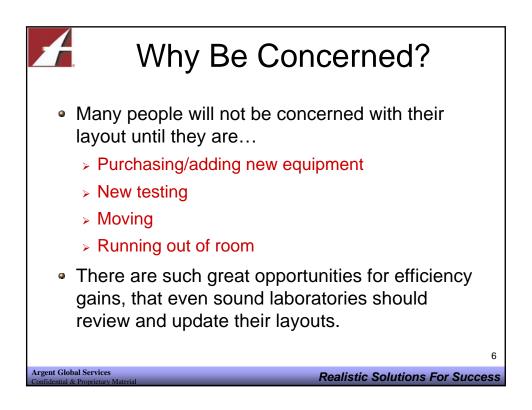
Argent Global Services Lean Training Series

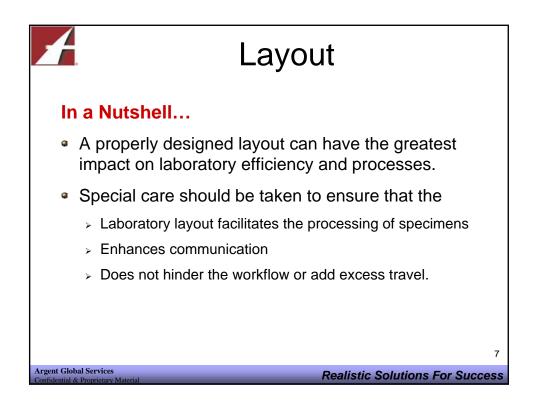


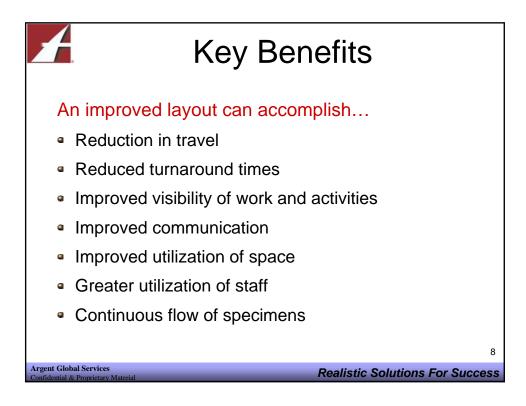


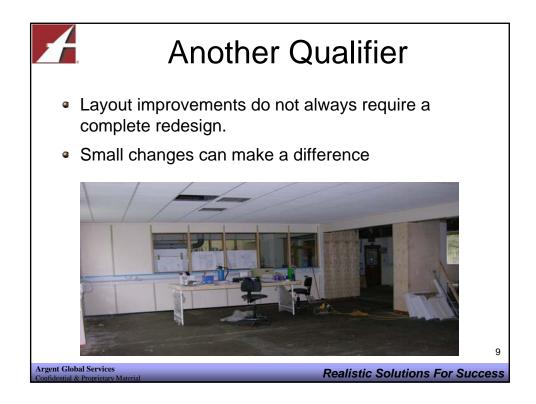


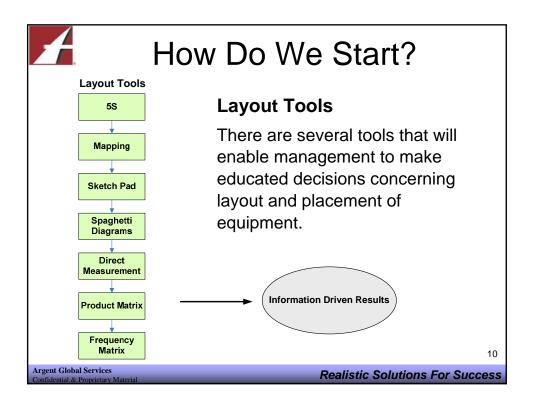




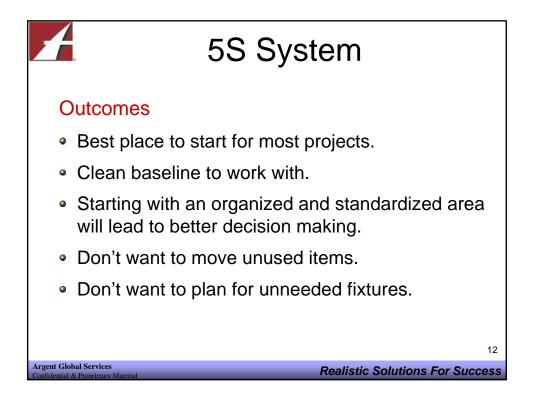


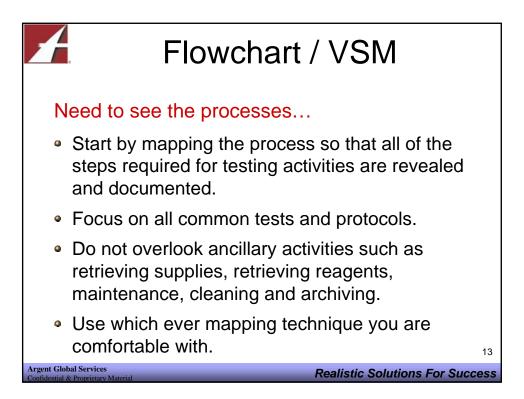


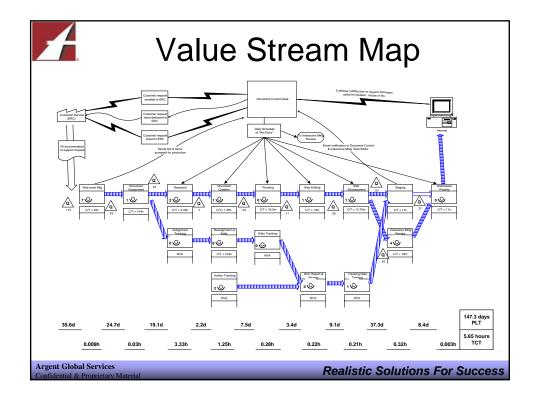


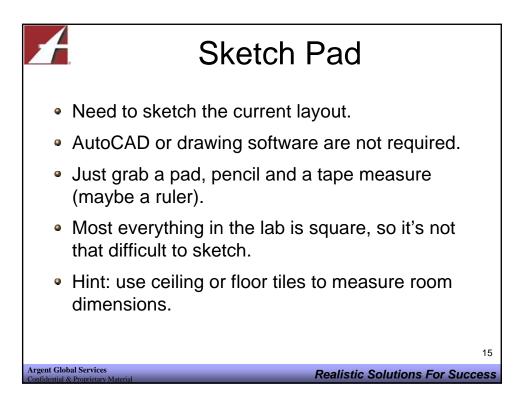


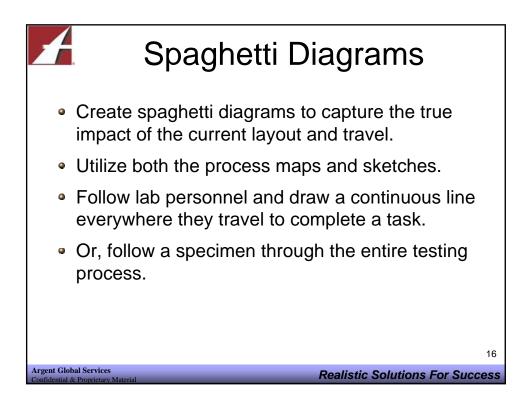


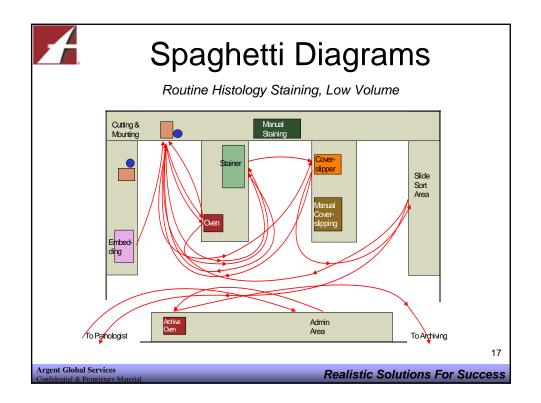


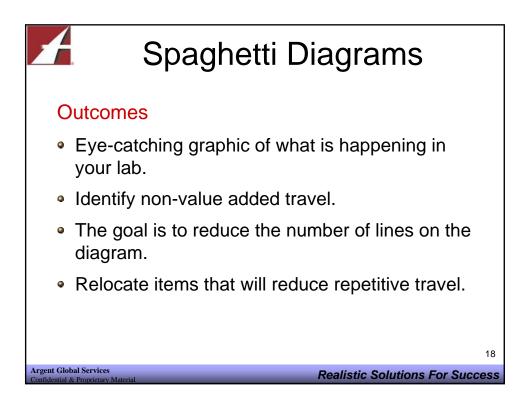


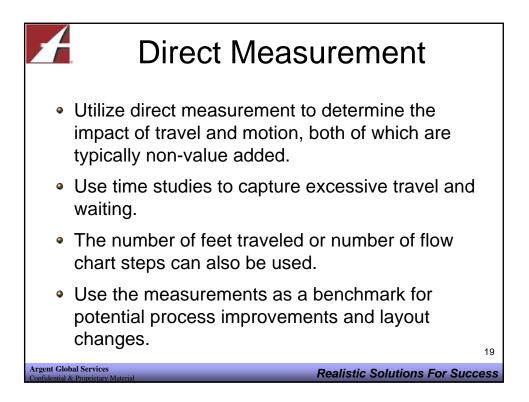


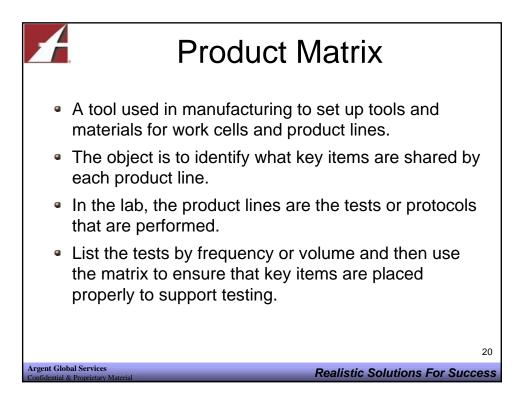




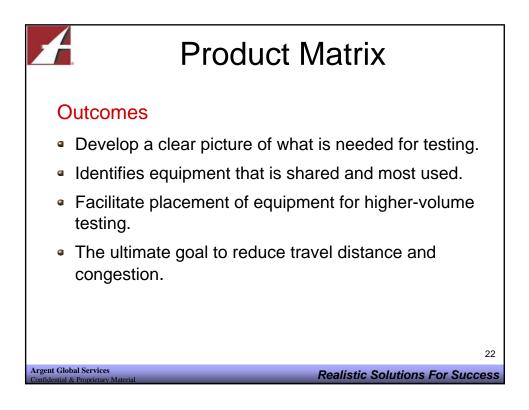


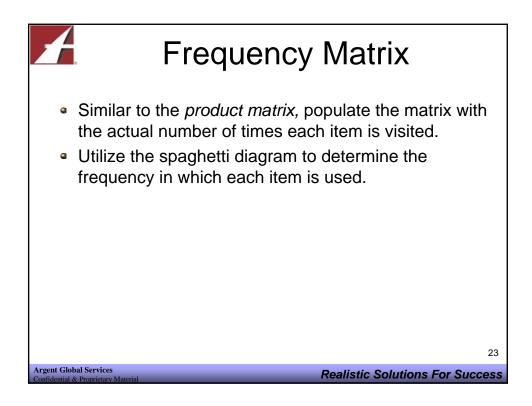






| Product Matrix        |                             |        |             |         |  |  |  |
|-----------------------|-----------------------------|--------|-------------|---------|--|--|--|
| Sample Product Matrix |                             |        |             |         |  |  |  |
| Equipment             | Test A Test B Test C Test D |        |             |         |  |  |  |
| Workbench A           | Test A<br>X                 | Test B | Test C<br>X | 1 est L |  |  |  |
| Workbench B           | <u>A</u>                    | X      | <u> </u>    | x       |  |  |  |
| LIS Station           | X                           | X      | x           | X       |  |  |  |
| Centrifuge            | X                           |        | X           | X       |  |  |  |
| Vortex                |                             | х      |             |         |  |  |  |
| Pipette Station       | Х                           |        | Х           | Х       |  |  |  |
| Hood                  | X                           | Х      |             |         |  |  |  |
| Refrigerator 1        |                             | Х      | Х           |         |  |  |  |
| Refrigerator 2        |                             |        |             | Х       |  |  |  |
| Freezer               | Х                           |        |             |         |  |  |  |
| Instrument A          | Х                           |        |             | Х       |  |  |  |
| Instrument B          |                             | Х      |             |         |  |  |  |
| Instrument C          |                             |        | Х           |         |  |  |  |





|                         |        | Frequency Matrix |        |        |  |  |  |  |  |
|-------------------------|--------|------------------|--------|--------|--|--|--|--|--|
| Sample Frequency Matrix |        |                  |        |        |  |  |  |  |  |
| Equipment               | Tests  |                  |        |        |  |  |  |  |  |
|                         | Test A | Test B           | Test C | Test D |  |  |  |  |  |
| Workbench A             | 3      |                  | 2      |        |  |  |  |  |  |
| Workbench B             |        | 2                |        | 4      |  |  |  |  |  |
| LIS Station             | 1      | 1                | 1      | 1      |  |  |  |  |  |
| Centrifuge              | 1      |                  | 1      | 1      |  |  |  |  |  |
| Vortex                  |        | 2                |        |        |  |  |  |  |  |
| Pipette Station         | 1      |                  | 1      | 2      |  |  |  |  |  |
| Hood                    | 2      | 1                |        |        |  |  |  |  |  |
| Refrigerator 1          |        | 2                | 1      |        |  |  |  |  |  |
| Refrigerator 2          |        |                  |        | 2      |  |  |  |  |  |
| Freezer                 | 1      |                  |        |        |  |  |  |  |  |
| Instrument A            | 1      |                  |        | 1      |  |  |  |  |  |
| Instrument B            |        | 1                |        |        |  |  |  |  |  |
| Instrument C            |        |                  | 1      |        |  |  |  |  |  |

