



**AIA TAP Webinar**

**Building Programming: Ensuring Owner Requirements**

## INTEGRATED PROGRAMMING

TZVETA PANAYOTOVA

**Flad Architects**

DAVID PATERA

 **dRofus**

---

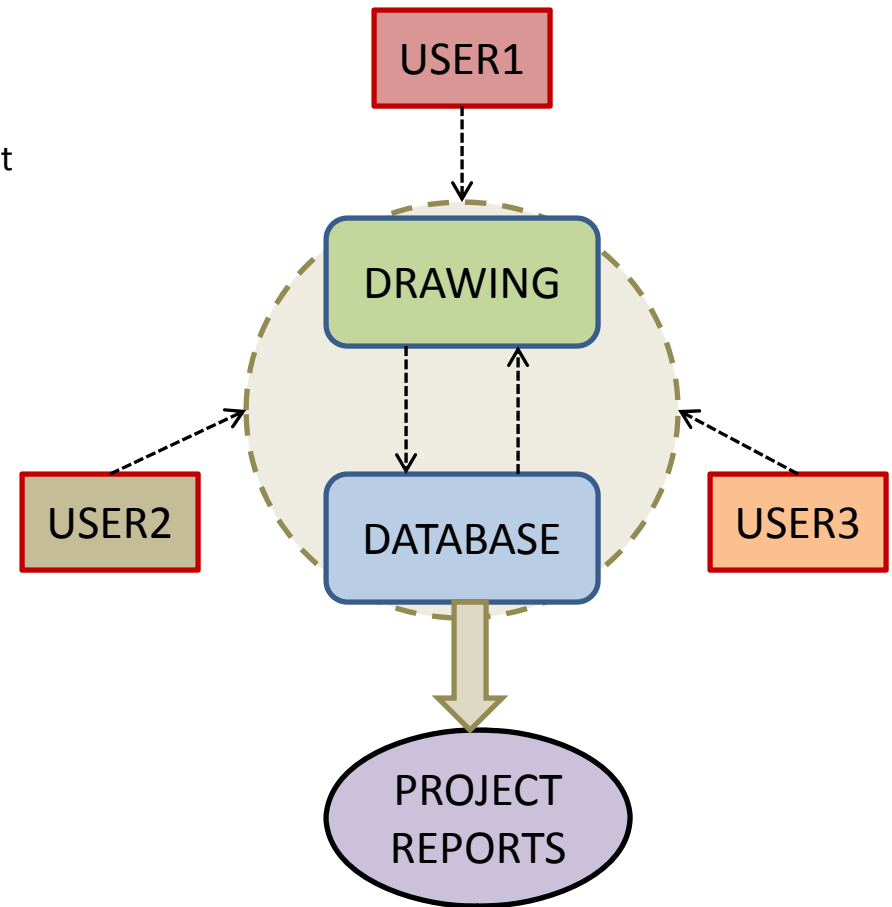


## PRESENTATION OBJECTIVES

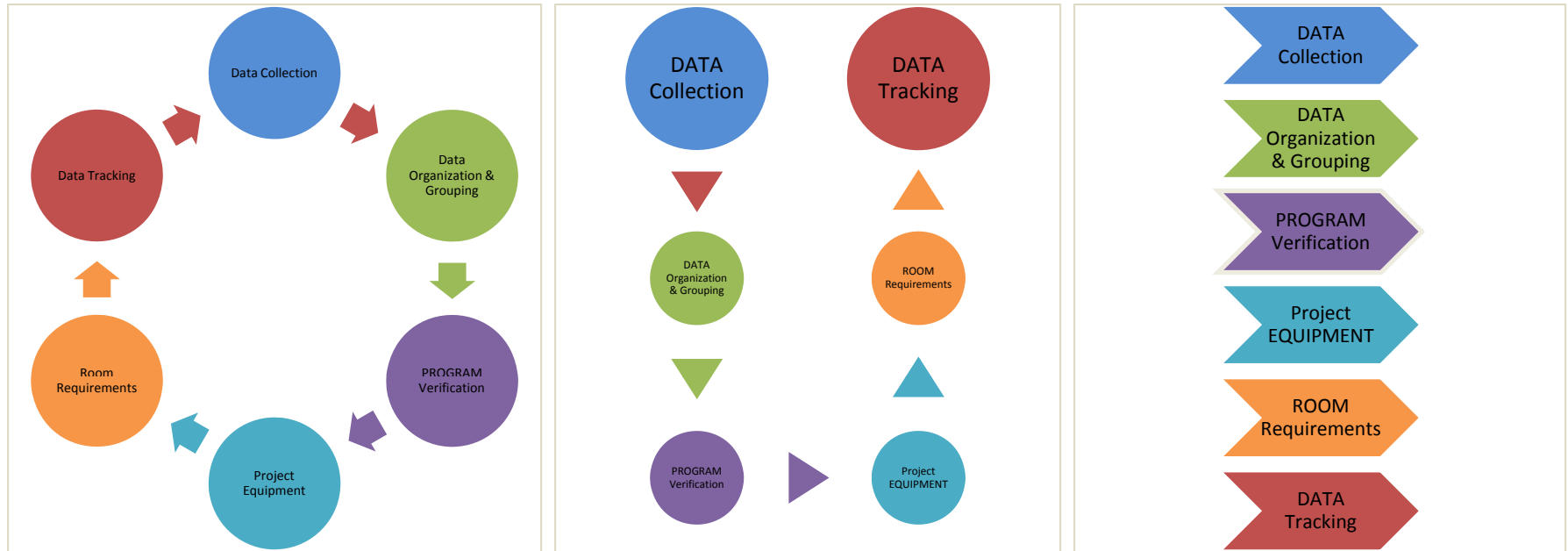
- Sample Project Workflow
  - Integrated Fit-Out Planning & Programming
  - Deliverables & Project Reports
-

## INTEGRATED PLANNING BENEFITS

- ☐ Cloud Based Database
- ☐ Process Automation & Integration
- ☐ Room data import to database from excel or Revit
- ☐ Interdependent Revit - Tool link (Revit API)
- ☐ Room & Shared Room Parameter Control
- ☐ Ease of Data control and RDS field manipulation
- ☐ Program validation and tracking
- ☐ Multiple template option – RDS templates
- ☐ FF&E capabilities
- ☐ Equipment tracking capabilities
- ☐ Integration of layout & data
- ☐ Adaptability to building types & requirements



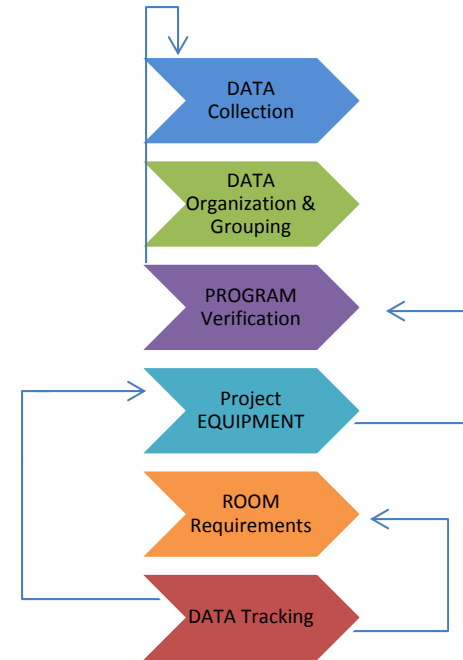
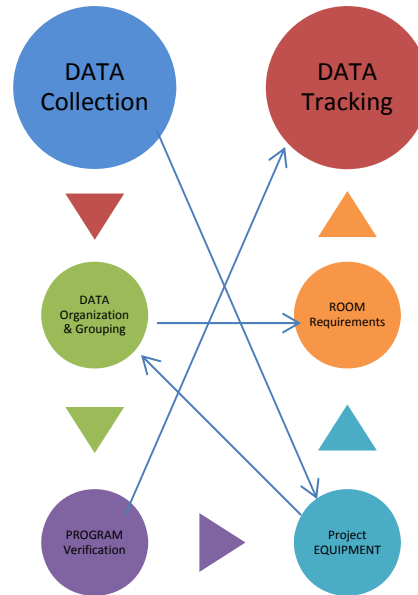
## PROGRAMMING OVERVIEW



## PROGRAMMING

Collection  
Organization  
Verification  
Specialty Equipment  
Environmental Requirements  
Tracking

## PROGRAMMING OVERVIEW



## PROGRAMMING

Collection  
Organization  
Verification  
Specialty Equipment  
Environmental Requirements  
Tracking

***Layered process of data management with graphical output & building requirements capture***

# BUILDING A PROJECT DATABASE

|                                       |                                                                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>01 - OFFICES</b>                   |                                                                                                                                |
| a. Office 1                           |                                                                                                                                |
|                                       | <div style="border: 2px solid red; padding: 5px; display: inline-block;"> a.1. Room 1<br/> a.2. Room 2<br/> a.3. Room 3 </div> |
| b. Office 2                           |                                                                                                                                |
| c. Office Support                     |                                                                                                                                |
| <b>02 - LAB1</b>                      |                                                                                                                                |
| a. Office & Office Support            |                                                                                                                                |
| b. Labs & Lab Support                 |                                                                                                                                |
| <b>03 - LAB2</b>                      |                                                                                                                                |
| a. Office & Office Support            |                                                                                                                                |
| b. Labs & Lab Support                 |                                                                                                                                |
| c. Specialty Lab & Lab Support        |                                                                                                                                |
| <b>04 - LAB3</b>                      |                                                                                                                                |
| a. Office & Office Support            |                                                                                                                                |
| b. Labs & Lab Support                 |                                                                                                                                |
| <b>05 - LAB4</b>                      |                                                                                                                                |
| a. Office & Office Support            |                                                                                                                                |
| b. Labs & Lab Support                 |                                                                                                                                |
| <b>06 - Core Labs</b>                 |                                                                                                                                |
| a. LAB 1                              |                                                                                                                                |
| b. LAB 2                              |                                                                                                                                |
| c. LAB 3                              |                                                                                                                                |
| <b>07. Shared Lab Facilities</b>      |                                                                                                                                |
| a. TYPF 1                             |                                                                                                                                |
| b. TYPE 2                             |                                                                                                                                |
| <b>08. Shared Building Facilities</b> |                                                                                                                                |
| a. F1                                 |                                                                                                                                |
| b. F2                                 |                                                                                                                                |
| c. F3                                 |                                                                                                                                |
| d. F4                                 |                                                                                                                                |
| e. F5                                 |                                                                                                                                |

## PROJECT TREE

### ■ DEPARTMENT

### ■ SUB-DEPARTMENT

### ■ ROOM = CONTAINER

### ■ ROOM PROGRAM AREA

Rooms

Functions Groups

Department: 01 - Lobby, Ambulatory Care Unit, Offices, Out patient

Rooms Function program Pictures/Documents Area

Add room Open Print Search Show deleted rooms Quick search: Press F3 for quick search

| Room no. | Geographical ... | Name                       | Prog. area | Designed ... | RDS status         | Equipment status     | Covering status |
|----------|------------------|----------------------------|------------|--------------|--------------------|----------------------|-----------------|
| 01.001   | 1-08A1           | Conference, Meeting        | 30.00      | 32.18        | Unique             | Unique               | From SR.015     |
| 01.002   | 1-07A3           | Staff service, Kitchenette | 5.00       | 8.00         | Derived from SR... | Unique               | Not created     |
| 01.003   | 1-07C1           | Laboratory                 | 20.00      | 17.15        | Not created        | Not created          | Not created     |
| 01.004   | 1-05E2           | Work space, Office         | 38.00      | 38.22        | Derived from SR... | Unique               | Not created     |
| 01.005   | 1-06E1           | Work space, Office         | 33.00      | 33.12        | From SR.037        | From SR.037          | Not created     |
| 01.006   | 1-06E2           | Work space, Office         | 9.00       | 9.30         | From SR.037        | From SR.037          | Not created     |
| 01.007   | 1-08D3           | Work space, Team office    | 20.00      | 22.41        | Derived from SR... | Unique               | Unique          |
| 01.008   | 1-08C1           | Work space, Team office    | 30.00      | 30.29        | Derived from SR... | Unique               | Not created     |
| 01.009   | 1-08B2           | Work space, Team office    | 30.00      | 29.10        | Derived from SR... | Unique               | Not created     |
| 01.010   | 1-07D1           | Sanitation, Toilet         | 2.00       | 1.90         | Derived from SR... | From SR.016          | Not created     |
| 01.011   | 1-06D3           | Sanitation, Toilet - HC    | 5.00       | 6.55         | From SR.045        | Unique               | Not created     |
| 01.012   | 1-05E3           | Work space, Office         | 9.00       | 9.80         | From SR.037        | Unique               | Not created     |
| 01.016   | 1-06D2           | Storage, Copy              | 2.50       | 2.60         | Derived from SR... | Unique               | Not created     |
| 01.017   | 1-07A2           | Staff service, Lounge      | 20.00      | 0.00         | Derived from SR... | Unique (copied fr... | Not created     |
| 01.019   | 1-07C2           | Work space, Silent room    | 10.00      | 9.70         | From SR.038        | Unique               | Not created     |

01.001 - Conference

Room core Note Pictures/Documents

Placement: Department: 01 - Lobby, Ambulatory Care Unit, Offices, Out patient Departments / Sub department: 01 - Administration

Status: Created: 11/14/2008 12:35 PM by: avs / Modified: 3/2/2012 12:33 PM by: aslo

Name and number

Room function no: 01.001

Room name: Conference

Room name description: Meeting

Geo. Room no: 1-08A1

User room no: B1-33

Drawing no:

Drawing name: CO

Test:

Groups

Building: 2

Classification:

Climate zones: Conference rooms

My classification:

Revit file: 1

Security zones: Restricted

User groups RDS:

Areas and measurements

Programmed area: 30.00

Designed area: 32.18

Ceiling Height: 2.44

Perimeter: 15.69

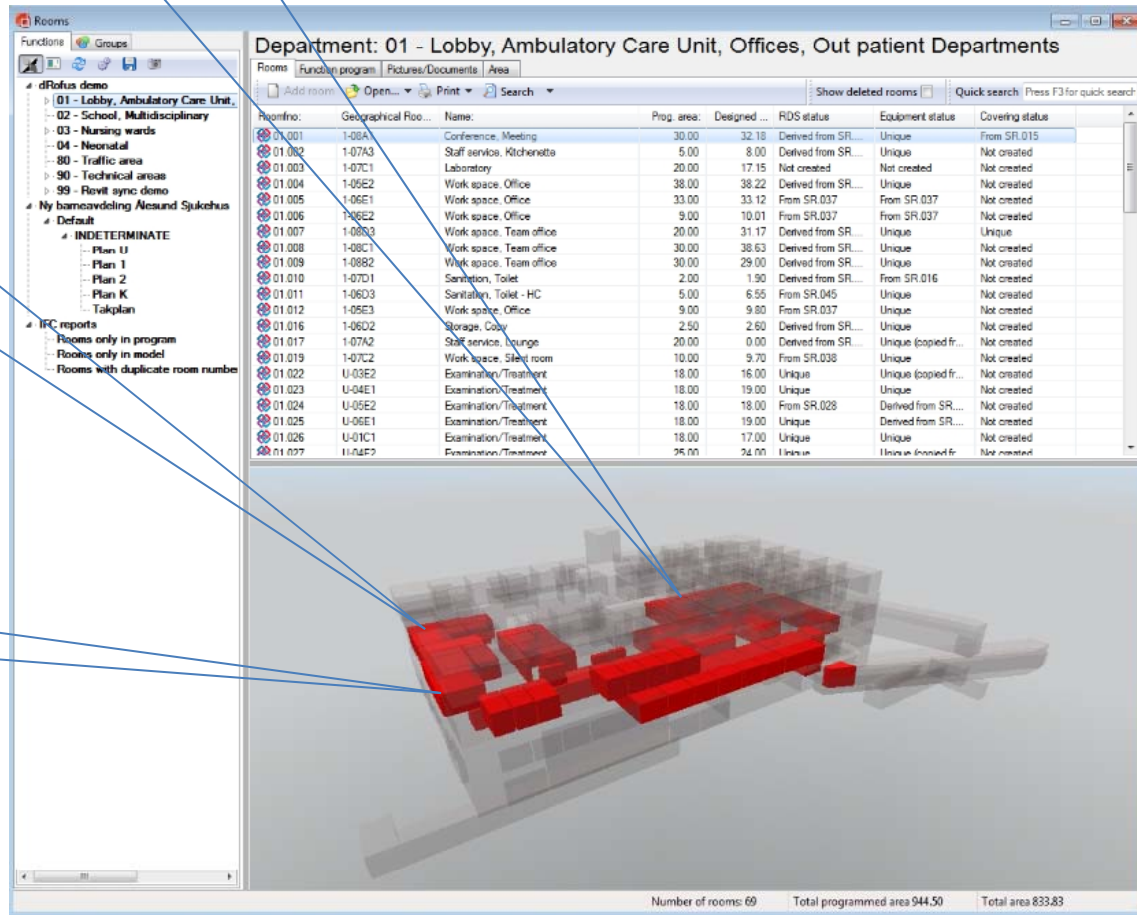
Number of rooms: 68 Total programmed area 944.50 Total area 816.12

## ROOM – IFC MODEL

ROOM 3

ROOM 2

ROOM 1



Department: 01 - Lobby, Ambulatory Care Unit, Offices, Out patient Departments

| Roomno.   | Geographical Room | Name                        | Prog. area | Designed ... | RDS status         | Equipment status     | Covering status |
|-----------|-------------------|-----------------------------|------------|--------------|--------------------|----------------------|-----------------|
| 01.001    | 1-08A             | Conference, Meeting         | 30.00      | 32.18        | Derived from SR... | Unique               | From SR.015     |
| 01.002    | 1-07A3            | Staff services, Kitchenette | 5.00       | 8.00         | Derived from SR... | Unique               | Not created     |
| 01.003    | 1-07C1            | Laboratory                  | 20.00      | 17.15        | Not created        | Not created          | Not created     |
| 01.004    | 1-05E2            | Work space, Office          | 38.00      | 38.22        | Derived from SR... | Unique               | Not created     |
| 01.005    | 1-06E1            | Work space, Office          | 33.00      | 33.12        | From SR.037        | From SR.037          | Not created     |
| 01.006    | 1-06E2            | Work space, Office          | 9.00       | 10.01        | From SR.037        | From SR.037          | Not created     |
| 01.007    | 1-08B3            | Work space, Team office     | 20.00      | 31.17        | Derived from SR... | Unique               | Unique          |
| 01.008    | 1-08C1            | Work space, Team office     | 30.00      | 38.63        | Derived from SR... | Unique               | Not created     |
| 01.009    | 1-08B2            | Work space, Team office     | 30.00      | 29.00        | Derived from SR... | Unique               | Not created     |
| 01.010    | 1-07D1            | Sanitation, Toilet          | 2.00       | 1.90         | Derived from SR... | From SR.016          | Not created     |
| 01.011    | 1-08D3            | Sanitation, Toilet - HC     | 5.00       | 6.55         | From SR.045        | Unique               | Not created     |
| 01.012    | 1-05E3            | Work space, Office          | 9.00       | 9.80         | From SR.037        | Unique               | Not created     |
| 01.016    | 1-06D2            | Storage, Copy               | 2.50       | 2.60         | Derived from SR... | Unique               | Not created     |
| 01.017    | 1-07A2            | Staff services, Lounge      | 20.00      | 0.00         | Derived from SR... | Unique (copied fr... | Not created     |
| 01.019    | 1-07C2            | Work space, Sleep room      | 18.00      | 9.70         | From SR.038        | Unique               | Not created     |
| 01.022    | U-03E2            | Examination/Treatment       | 18.00      | 16.00        | Unique             | Unique (copied fr... | Not created     |
| 01.023    | U-04E1            | Examination/Treatment       | 18.00      | 19.00        | Unique             | Unique               | Not created     |
| 01.024    | U-05E2            | Examination/Treatment       | 18.00      | 18.00        | From SR.028        | Derived from SR...   | Not created     |
| 01.025    | U-06E1            | Examination/Treatment       | 18.00      | 19.00        | Unique             | Derived from SR...   | Not created     |
| 01.026    | U-01C1            | Examination/Treatment       | 18.00      | 17.00        | Unique             | Unique               | Not created     |
| SR.01.037 | 1-08E3            | Examination/Treatment       | 26.00      | 24.00        | Unique             | Unique (copied fr... | Not created     |

Number of rooms: 69    Total programmed area 944.50    Total area 833.83

## ROOM – PROJECT DYNAMIC

ROOM

Rooms

Functions Groups

dRofus demo

- 01 - Lobby, Ambulatory Care Unit
- 02 - School, Multidisciplinary
- 03 - Nursing wards
- 04 - Neonatal
- 80 - Traffic area
- 90 - Technical areas
- 99 - Revit sync demo

Department: 01 - Lobby, Ambulatory Care Unit, Offices, Out patient

Rooms function program Pictures/Documents Area

Show deleted rooms Quick search Press F3 for quick search

| Roomno | Geographical | Name                       | Prog. area | Designed | RDS status         | Equipment status     | Covering status |
|--------|--------------|----------------------------|------------|----------|--------------------|----------------------|-----------------|
| 01.001 | 1-08A1       | Conference, Meeting        | 30.00      | 32.18    | Unique             | Unique               | From SR.015     |
| 01.002 | 1-07A3       | Staff service, Kitchenette | 5.00       | 8.00     | Derived from SR... | Unique               | Not created     |
| 01.003 | 1-07C1       | Laboratory                 | 20.00      | 17.15    | Not created        | Not created          | Not created     |
| 01.004 | 1-05E2       | Work space, Office         | 38.00      | 38.22    | Derived from SR... | Unique               | Not created     |
| 01.005 | 1-06E1       | Work space, Office         | 33.00      | 33.12    | From SR.037        | From SR.037          | Not created     |
| 01.006 | 1-06E2       | Work space, Office         | 9.00       | 9.30     | From SR.037        | From SR.037          | Not created     |
| 01.007 | 1-08D3       | Work space, Team office    | 20.00      | 22.41    | Derived from SR... | Unique               | Unique          |
| 01.008 | 1-08C1       | Work space, Team office    | 30.00      | 30.29    | Derived from SR... | Unique               | Not created     |
| 01.009 | 1-08B2       | Work space, Team office    | 30.00      | 29.10    | Derived from SR... | Unique               | Not created     |
| 01.010 | 1-07D1       | Sanitation, Toilet         | 2.00       | 1.90     | Derived from SR... | From SR.016          | Not created     |
| 01.011 | 1-06D3       | Sanitation, Toilet - HC    | 5.00       | 6.55     | From SR.045        | Unique               | Not created     |
| 01.012 | 1-05E3       | Work space, Office         | 9.00       | 9.80     | From SR.037        | Unique               | Not created     |
| 01.013 | 1-06D2       | Storage, Copy              | 2.50       | 2.60     | Derived from SR... | Unique               | Not created     |
| 01.014 | 1-07A2       | Staff service, Lounge      | 20.00      | 0.00     | Derived from SR... | Unique (copied fr... | Not created     |
| 01.015 | 1-07C2       | Work space, Silent room    | 10.00      | 9.70     | From SR.038        | Unique               | Not created     |

01.001 - Conference

Room core Note Pictures/Documents

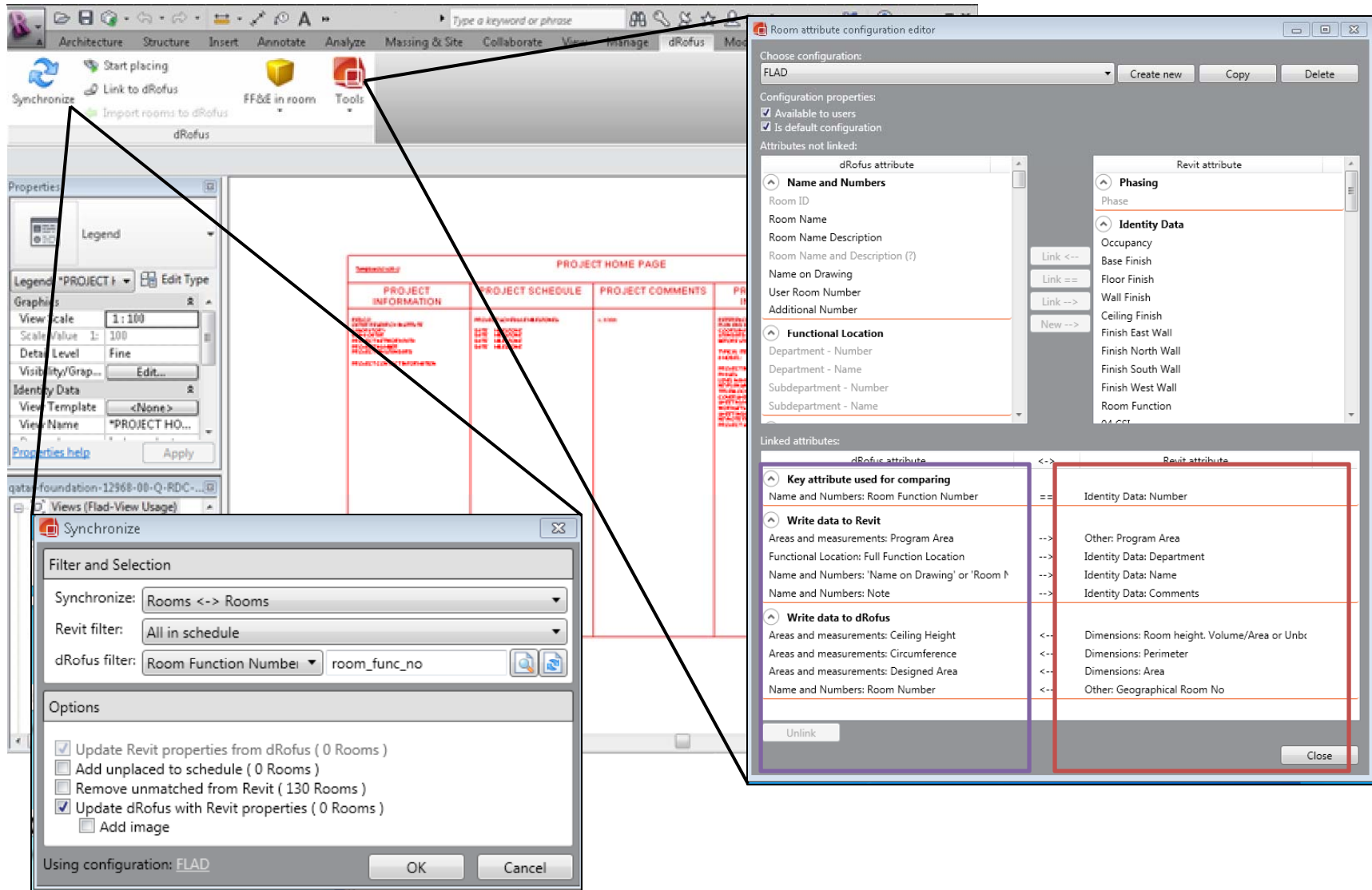
Placement: Department: 01 - Lobby, Ambulatory Care Unit, Offices, Out patient Departments / Sub department: 01 - Administration

Status: Created: 11/14/2008 12:35 PM by: avs / Modified: 3/2/2012 12:33 PM by: asio

|                        |                   |        |                   |                  |   |                        |                 |       |
|------------------------|-------------------|--------|-------------------|------------------|---|------------------------|-----------------|-------|
| Name and number        | Room function no: | 01.001 | Groups            | Building         | 2 | Areas and measurements | Programmed area | 30.00 |
| Room name:             | Conference        |        | Classification    |                  |   | Designed area          | 32.18           |       |
| Room name description: | Meeting           |        | Climate zones     | Conference rooms |   | Ceiling Height         | 2.44            |       |
| Geo. Room no.          | 1-08A1            |        | My classification |                  |   | Perimeter              | 15.69           |       |
| User room no:          | B1-33             |        | Revit file        | 1                |   |                        |                 |       |
| Drawing no:            |                   |        | Security zones    | Restricted       |   |                        |                 |       |
| Drawing name           | CO                |        | User groups RDS   |                  |   |                        |                 |       |
| Test1:                 |                   |        |                   |                  |   |                        |                 |       |

Number of rooms: 68 Total programmed area 944.50 Total area 816.12

## DIRECTION OF INFORMATION EXCHANGE



## PROJECT INFORMATION LINKS

Room1  
Room2  
Room3  
Room4  
Room5

| Name      | Number | Program Area | Geographic Area | Area |
|-----------|--------|--------------|-----------------|------|
| 03.01.002 | 0 m²   | N-1115D      | 28 m²           |      |
| 03.01.004 | 0 m²   | N-1115E      | 14 m²           |      |
| 03.01.005 | 0 m²   | N-1115F      | 11 m²           |      |
| 03.01.006 | 0 m²   | N-1115H      | 14 m²           |      |
| 03.01.007 | 0 m²   | N-1115A      | 32 m²           |      |
| 03.01.008 | 0 m²   | N-1115B      | 20 m²           |      |
| 03.01.009 | 0 m²   | N-1115J      | 14 m²           |      |
| 03.01.010 | 0 m²   | N-1115C      | 143 m²          |      |
| 03.01.011 | 0 m²   | N-1115K      | 100 m²          |      |
| 03.02.001 | 0 m²   | N-1316B      | 14 m²           |      |
| 03.02.002 | 0 m²   | N-1316D      | 14 m²           |      |
| 03.02.003 | 0 m²   | N-1316F      | 14 m²           |      |
| 03.02.004 | 0 m²   | N-1316J      | 14 m²           |      |
| 03.02.005 | 0 m²   | N-1316G      | 22 m²           |      |
| 03.02.006 | 0 m²   | N-1316A      | 22 m²           |      |
| 03.02.007 | 0 m²   | N-1316C      | 121 m²          |      |
| 03.03.001 | 0 m²   | N-1450L      | 14 m²           |      |
| 03.03.002 | 0 m²   | N-1450H      | 15 m²           |      |
| 03.03.003 | 0 m²   | N-1450J      | 41 m²           |      |
| 03.03.004 | 0 m²   | N-1450O      | 6 m²            |      |
| 03.03.009 | 0 m²   | N-1450E      | 10 m²           |      |
| 03.03.010 | 0 m²   | N-1450Q      | 25 m²           |      |
| 03.03.011 | 0 m²   | N-1450F      | 17 m²           |      |
| 03.03.012 | 0 m²   | N-1450M      | 170 m²          |      |
| 03.04.002 | 0 m²   | N-1316L      | 99 m²           |      |
| 03.04.003 | 0 m²   | N-1345J      | 133 m²          |      |
| 03.04.004 | 0 m²   | N-1337       | 140 m²          |      |
| 03.05.001 | 0 m²   | N-1404C      | 118 m²          |      |
| 03.05.002 | 0 m²   | N-1404D      | 75 m²           |      |
| 03.05.003 | 0 m²   | N-1404K      | 86 m²           |      |
| 03.05.006 | 0 m²   | N-1404E      | 14 m²           |      |
| 03.05.007 | 0 m²   | N-1404H      | 15 m²           |      |
| 03.05.008 | 0 m²   | N-1404F      | 14 m²           |      |
| 03.05.009 | 0 m²   | N-1404J      | 14 m²           |      |
| 03.06.001 | 0 m²   | N-1345E      | 13 m²           |      |

Room1  
Room2  
Room3  
Room4  
Room5

Subdepartment: 03.01 Medicine Center

| Room Function # | Room Number | Name | Prog. area | Designated | RDS status           | Equipment status |
|-----------------|-------------|------|------------|------------|----------------------|------------------|
| R 03.01.004     | N-1115G     |      | 0.00       |            | Derived from LRT 001 | Not created      |
| R 03.01.005     | N-1115F     |      | 0.00       |            | Derived from LRT 001 | Not created      |
| R 03.01.002     | N-1115D     |      | 0.00       |            | Derived from LRT 001 | Not created      |
| R 03.01.006     | N-1115H     |      | 0.00       |            | Derived from LRT 001 | Not created      |
| R 03.01.010     | N-1115C     |      | 0.00       |            | Derived from LRT 001 | Not created      |
| R 03.01.007     | N-1115A     |      | 0.00       |            | Derived from LRT 001 | Not created      |
| R 03.01.008     | N-1115B     |      | 0.00       |            | Derived from LRT 001 | Not created      |
| R 03.01.009     | N-1115J     |      | 0.00       |            | Derived from LRT 001 | Not created      |
| R 03.01.011     | N-1115K     |      | 0.00       |            | Derived from LRT 001 | Not created      |

Number of rooms: 9 Total programmed area: 0.00 Total area: 394.61

tsvetap@db.drofus.com/uf

## ROOM – LINKED LOCATED DATA

Dynamic GUI editor - RDS

New Delete Save to database Refresh

RDS

- ARCHITECTURAL
  - FLOOR
  - VCT
  - Sheet Vinyl
  - Epoxy
  - Sealed Concrete
  - Rubber Base
  - Integral Base
  - Vinyl Tile
  - Ceramic Tile
  - Rubber Skirting
  - Integral Coved Skirting
  - Comments
- MECHANICAL
- ELECTRICAL
- PLUMBING
- COMMUNICATION
- SPECIAL CONDITIONS
- MATERIALS

Label: FLOOR

Help text:

Row position: 1

Column position: 1

Border: ☒

XSL report template: value-spec

RDS: 03.01.005 (N-1115F) - COLD RM (Derived from LRT.001)

Save Copy... Print View RDS log Note Equipment in room Derived values 3/ 5/2014

Created: 6/19/2013 4:57 PM By: tzvetap

Last modified: 7/29/2013 4:44 PM By: tzvetap

03.01.005 - COLD RM : Derived from LRT.001

| ARCHITECTURAL                                               | MECHANICAL | ELECTRICAL | PLUMBING                                                         | COMMUNICATION | SPECIAL CONDITIONS | Relation requirements | Pictures/Documents                           |
|-------------------------------------------------------------|------------|------------|------------------------------------------------------------------|---------------|--------------------|-----------------------|----------------------------------------------|
| <b>FLOOR</b>                                                |            |            | <b>CEILING</b>                                                   |               |                    |                       | <b>LABORATORY CASEWORK</b>                   |
| Sheet Vinyl <input checked="" type="checkbox"/>             |            |            | Acoustic Ceiling Tile <input checked="" type="checkbox"/>        |               |                    |                       | *Standard Metal <input type="checkbox"/>     |
| Epoxy <input type="checkbox"/>                              |            |            | *Acoustic Ceiling Tile (Gasketed Metal) <input type="checkbox"/> |               |                    |                       | Phenolic Resin <input type="checkbox"/>      |
| Sealed Concrete <input type="checkbox"/>                    |            |            | Exposed Structure <input type="checkbox"/>                       |               |                    |                       | Stainless Steel <input type="checkbox"/>     |
| Rubber Base <input type="checkbox"/>                        |            |            | Epoxy Paint <input type="checkbox"/>                             |               |                    |                       | *Phenolic Resin Top <input type="checkbox"/> |
| Vinyl Tile <input type="checkbox"/>                         |            |            | Drywall <input type="checkbox"/>                                 |               |                    |                       | Epoxy Resin Top <input type="checkbox"/>     |
| Ceramic Tile <input type="checkbox"/>                       |            |            | Acrylic Emulsion Paint <input type="checkbox"/>                  |               |                    |                       | Comments: * None                             |
| Integral Coved Skirting <input checked="" type="checkbox"/> |            |            | Comments: * Modular Cold Room Panel                              |               |                    |                       |                                              |
| Comments: * Built-in Floor Ramp                             |            |            |                                                                  |               |                    |                       | <b>SECURITY</b>                              |
| <b>WALL</b>                                                 |            |            | <b>DOOR</b>                                                      |               |                    |                       | *Card Key Access <input type="checkbox"/>    |
| *Casework System Wall <input type="checkbox"/>              |            |            | Glass <input type="checkbox"/>                                   |               |                    |                       | Door Lock <input type="checkbox"/>           |
| Epoxy Paint <input type="checkbox"/>                        |            |            | Flush <input type="checkbox"/>                                   |               |                    |                       | Equipment Alarm <input type="checkbox"/>     |
| Cart Rail <input type="checkbox"/>                          |            |            | *Flush w/Vision Panel <input checked="" type="checkbox"/>        |               |                    |                       | Light control <input type="checkbox"/>       |
| Corner Guard <input type="checkbox"/>                       |            |            | Special Hardware <input type="checkbox"/>                        |               |                    |                       | Comments: * None                             |
| *Drywall <input type="checkbox"/>                           |            |            | Vertical <input type="checkbox"/>                                |               |                    |                       |                                              |
| Concrete Block <input type="checkbox"/>                     |            |            | Comments: * Cold Room Door with Vision                           |               |                    |                       |                                              |
| Wall Panel Protection <input type="checkbox"/>              |            |            |                                                                  |               |                    |                       |                                              |
| *Acrylic Emulsion Paint <input type="checkbox"/>            |            |            |                                                                  |               |                    |                       |                                              |
| Comments: * Modular Cold Room Panel W                       |            |            |                                                                  |               |                    |                       |                                              |

Save Close

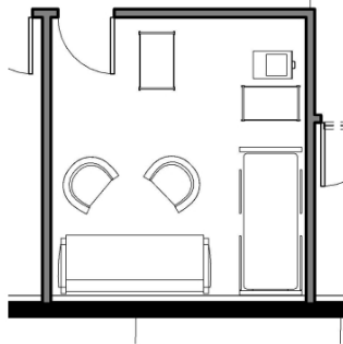
DATABASE PLANNING: CATEGORIES



The screenshot shows the 'dRefus' software interface. The title bar indicates the current project is '[Reports and exports]'. The left sidebar contains a tree view of the software's structure, with 'Room Data Sheet' selected under the 'Rooms' category. The main window is titled 'Room Data Sheet' and displays configuration options for generating a Room Data Sheet (RDS) for each room. The settings are organized into several sections: 'Select room function', 'Select room function number', 'Select RDS specification', 'Groups', 'Limit fields', 'RDS view filter', 'Room Number', 'Order', 'With equipment in room', 'Choose equipment list', 'With sub FF&E', 'With occurrence data', 'Without price', 'Order occurrences', 'With log', 'From date', 'To date', 'User defined title', 'Paper size', 'Format', 'Landscape orientation', and 'Hide selection'. The right side of the window features a series of checkboxes for additional options: 'With notes', 'With pictures', 'Landscape orientation', 'Number of images', 'Only fields with data', 'Limit to RDS type', 'RDS template', 'Derived', 'Copied', and 'With non-editable text'. At the bottom, there are buttons for 'New/Save' and 'Generate'.

- FORMAT
- GRAPHICS
- CONTENT
- PACKAGING
- CONSISTENCY

|  <b>buildingSMART</b><br>dRofus demo                 |                              | Room Data Sheet                            |                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------|-------------------------------------------------------------------------|
| Status: From BR.025                                                                                                                     |                              | Room function no: 99.002                   |                                                                         |
| Room name                                                                                                                               | Patient area, Patient single | Placement:                                 | 99 - Revis syngic demo / 01 - Patient monitoring                        |
| Categorization                                                                                                                          | Area                         | Status                                     |                                                                         |
| Category no                                                                                                                             | Programmed                   | Created by                                 | Jervang, Koll,                                                          |
| Drawing name                                                                                                                            | Actual                       | 15.16                                      | juni 17, 2011                                                           |
| Geo. Room no                                                                                                                            | Height                       | 2.44                                       | 1.98 m                                                                  |
| User room no                                                                                                                            | Perimeter                    | 15.59                                      | Changed by                                                              |
|                                                                                                                                         |                              |                                            | Johansen,                                                               |
|                                                                                                                                         |                              |                                            | Asmund,                                                                 |
|                                                                                                                                         |                              |                                            | februar 10,                                                             |
|                                                                                                                                         |                              |                                            | 2012 11:23                                                              |
|                                                                                                                                         |                              |                                            | AM                                                                      |
| Description                                                                                                                             |                              |                                            |                                                                         |
| Description of activities and functions                                                                                                 |                              |                                            |                                                                         |
| Monitoring, treatment, nursing of critically ill pat. in open or closed in-room. Care given from both sides simultaneously, 1-2 nurses. |                              |                                            |                                                                         |
| Central monitoring of several patients on one screen. Access to pat. from all sides. Sample drawing/bedside analysis.                   |                              |                                            |                                                                         |
| Optional X-ray. Bedside radiographing of BMR. Space for 1-2 relatives in bed/room by the incubator.                                     |                              |                                            |                                                                         |
| Preparing of some medicines. Storing some consumption goods.                                                                            |                              |                                            |                                                                         |
| Visual contact with work station as well as between ICU rooms.                                                                          |                              |                                            |                                                                         |
| Human traffic                                                                                                                           |                              |                                            |                                                                         |
| Value                                                                                                                                   | Specification                |                                            |                                                                         |
| Persons, normally                                                                                                                       | 3                            |                                            |                                                                         |
| Persons, maximum                                                                                                                        | 5                            |                                            |                                                                         |
| Design/building                                                                                                                         |                              |                                            |                                                                         |
| Walls                                                                                                                                   | Value                        | Specification                              | General for the room                                                    |
| Value                                                                                                                                   | Specification                |                                            | Value                                                                   |
| Wall mounted                                                                                                                            | ✓                            | See equipment list                         | Special surface                                                         |
| Equipment                                                                                                                               |                              |                                            | ✓                                                                       |
| Floor/rop                                                                                                                               | Value                        | Specification                              | Smooth surfaces, easy to clean                                          |
| Value                                                                                                                                   | Specification                |                                            | ✓                                                                       |
| Electromagnetic protection                                                                                                              | ✓                            | electromedical safety                      | Visual contact between work station and room, with possibility to adapt |
| Other                                                                                                                                   |                              |                                            |                                                                         |
| Activities and activities should be emphasized:                                                                                         |                              |                                            |                                                                         |
| Windows and doors                                                                                                                       |                              |                                            |                                                                         |
| Doors                                                                                                                                   | Value                        | Specification                              | Windows                                                                 |
| Door openings                                                                                                                           | ✓                            | bed                                        | Value                                                                   |
| Glass in doors                                                                                                                          | ✓                            | glass between rooms                        | Specification                                                           |
| Blind doors                                                                                                                             | ✓                            | towards corridor and between 2 and 2 rooms |                                                                         |
| Openings without thresholds                                                                                                             | ✓                            |                                            |                                                                         |
| Windows                                                                                                                                 | Value                        | Specification                              |                                                                         |
| Daylight                                                                                                                                | ✓                            |                                            |                                                                         |



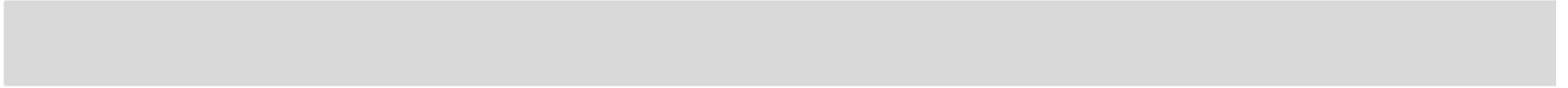
From Revit

exp. februar 10, 2012 11:44 AM

Generated from dRofus © 2002-2012 dRofus Inc.

Page 1

## RDS SAMPLE REPORT



# QUESTIONS

