

# Inventory data design

## Guidelines

### Navigation and Access

- **Minimize Clicks:** Ensure users can access key inventory data and functionality within 2-3 clicks from the main entry point.
- **Consistent Navigation:** Implement a clear, consistent navigation structure (e.g., top-level menu, sidebar, breadcrumbs) to help users quickly find what they need.

*e.g.*

#### 4. Flipkart

This is another example that uses two types of breadcrumbs simultaneously. In this image, you can see how e-commerce sites like Flipkart use breadcrumbs navigation.



An e-commerce platform displays two types of breadcrumbs to guide its visitors.

Flipkart shows both path-based breadcrumbs and attribute-based breadcrumbs to help users quickly understand how they got here and what filters have already been applied.



source : <https://vwo.com/blog/why-use-breadcrumbs/>

- **Responsive Design:** Ensure the interface is optimized for both desktop and mobile devices to provide a seamless experience across platforms.

## Layout and Information Architecture

- **Prioritize Frequently Used Data:** Place the most important and frequently accessed inventory data and features in prominent, easy-to-find locations.
- **Grouping and Categorization:** Organize inventory data and functionality into logical groups and categories to improve information scent and reduce cognitive load.
- **Visual Hierarchy:** Use size, spacing, and typography to establish a clear visual hierarchy and guide the user's attention to the most important elements.

## Color and Styling

- **Consistent Branding:** Ensure the color scheme, typography, and overall visual style align with the company's branding guidelines.
- **Accessibility:** Choose colors and typography that provide sufficient contrast and legibility for users with various visual impairments.
- **Minimize Visual Noise:** Use a clean, uncluttered design with judicious use of colors, icons, and other UI elements to avoid overwhelming the user.

## Interactivity and Feedback

- **Intuitive Interactions:** Make common actions (e.g., filtering, sorting, editing) intuitive and easy to discover through clear affordances and natural mapping.
- **Meaningful Feedback:** Provide clear, timely feedback to the user for their actions, such as confirmation messages, progress indicators, or error notifications.
- **Progressive Disclosure:** Hide advanced or less frequently used functionality behind expandable sections or secondary views to maintain a focused, simplified primary interface.



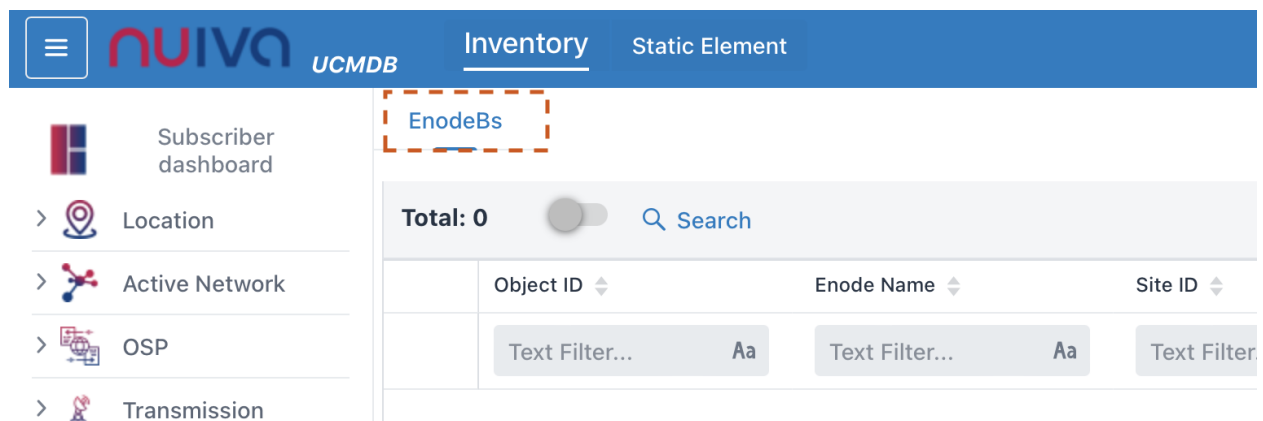
## Data Visualization

- **Appropriate Charts and Graphs:** Choose data visualization techniques (e.g., line charts, bar graphs, pie charts) that effectively communicate the relevant inventory metrics and trends.
- **Interactivity and Drilldown:** Allow users to interact with data visualizations (e.g., hover, click) to access more detailed information or related views.
- **Contextual Information:** Provide clear labels, legends, and annotations to help users interpret the data visualizations.

## Suggestions for CMDB


- Add Breadcrumb navigation when navigating:  
i.e. It would be useful if we know where we are, like this :

[Active Network](#) > [RAN](#) > EnodeB




- Use **SVG icons and logos** instead of **PNG** or **JPG**, to have clearer icons (for the **sidebar** and the **company's** logo, and also for the other icons)




- 


Subscriber dashboard
- >




Location
- >




Active Network
- >



OSP
- >



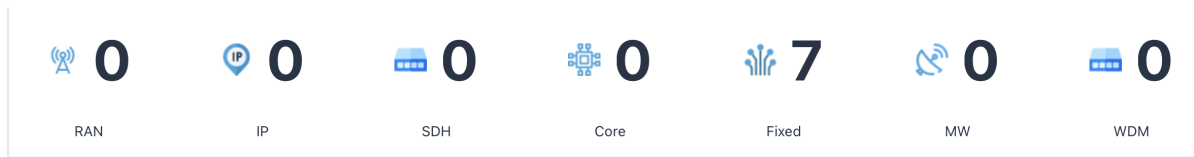
Transmission
- ✓



Links

Same for these icons





- Inconsistent icon size (Blue circle), inconsistent spacing/margin (Red line)





Subscriber  
dashboard



Location



Active Network



OSP



Transmission



Links



Physical  
Configuration



Circuit Traffic



Interface Routing  
Configuration



Additional  
Information



- Maybe **sort by name** for each category. Also make sure to use **the same font, styling**. (COPPER CABLES DETAILS) could be in lowercase.





## OSP

Copper Cable

Coax Cable

**COPPER CABLES DETAILS**

Splice Module

Masks

Pathways

ONT

Copper Distribution Frame

Copper Distribution Frame

Fiber Distribution Frame Ma

Fiber Distribution Frame Ca

Optical Splitter

FO Cable

Copper Distribution Frame

Fiber Distribution Frame

Distribution Frame Connect

Coax Cables Details

FO Cables Details

OLT Subscribers

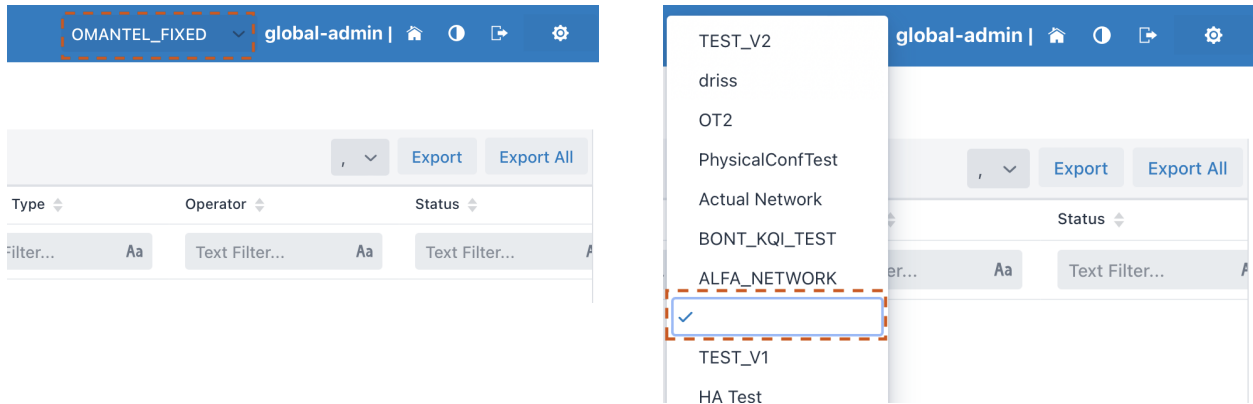
XDSL Box

XDSL Splitter

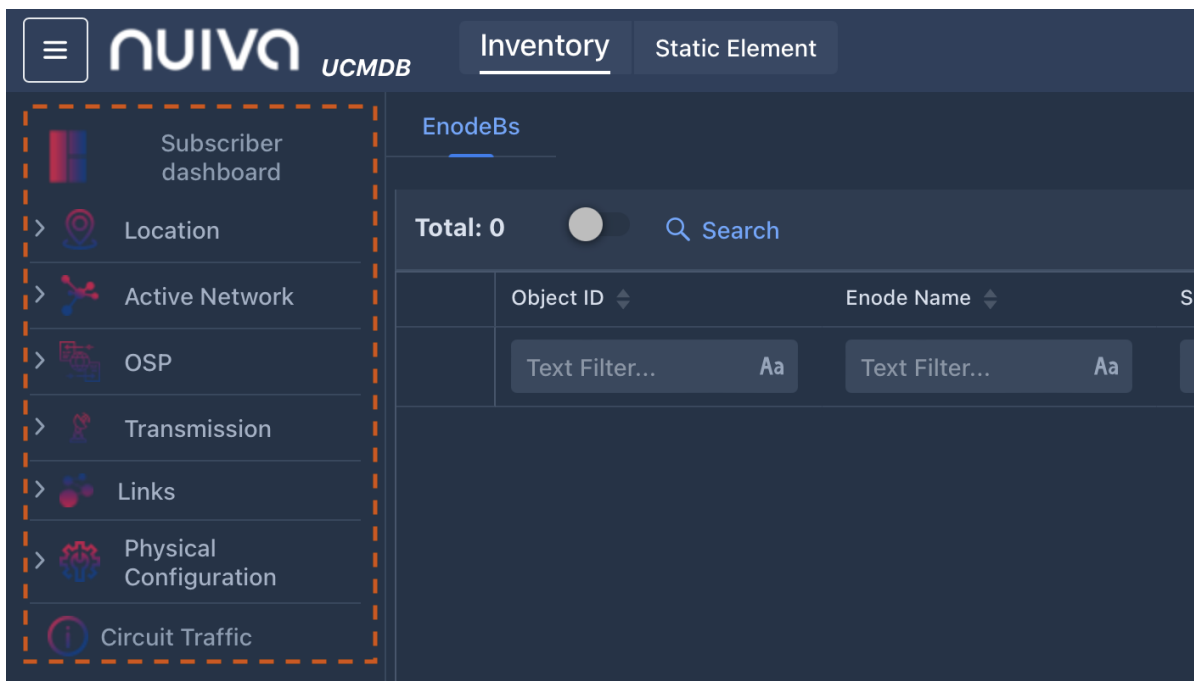
Export ODF(s) Configuratio



- In the toolbar, don't set the font to white when background is **already white**.  
(Can't see what is selected)

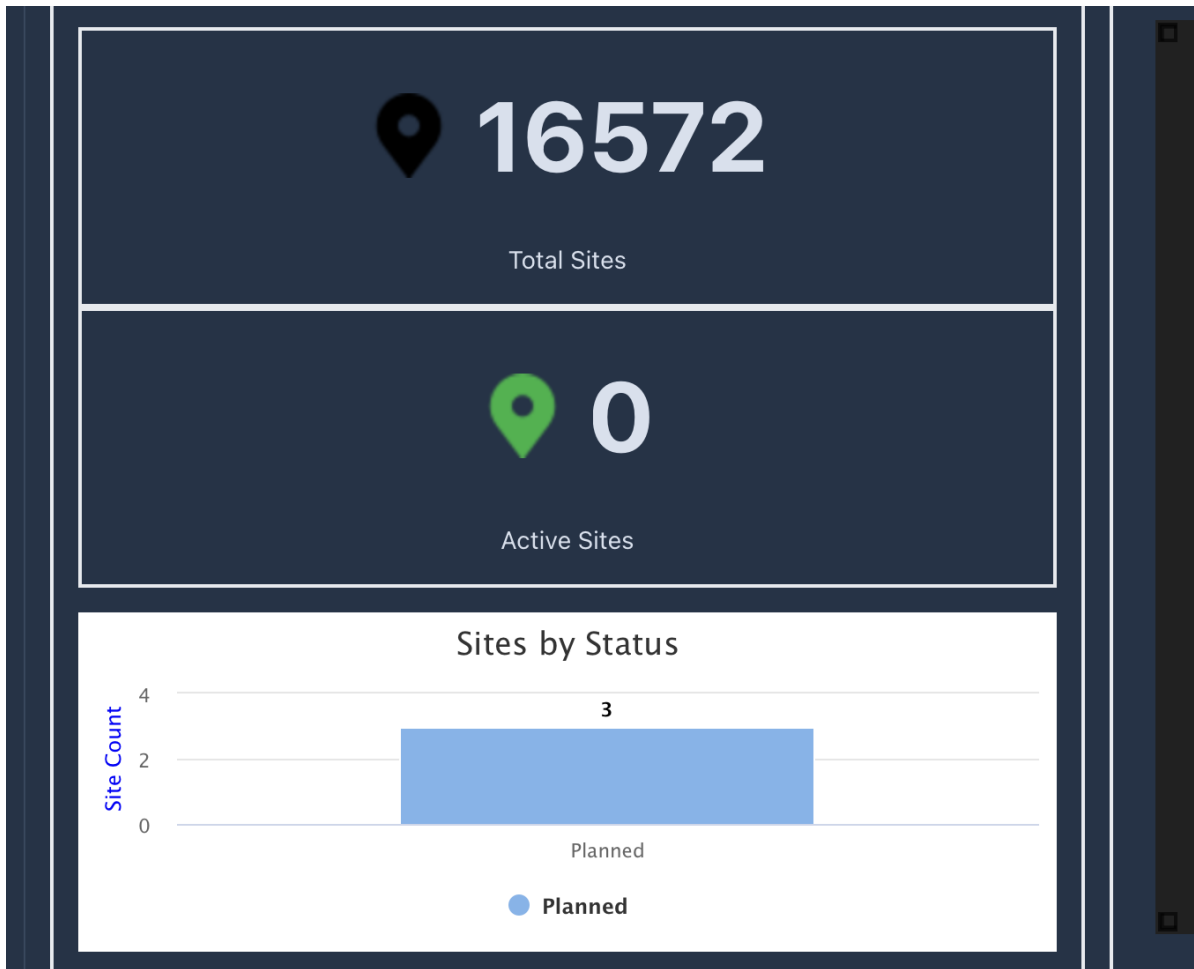


- when switching to dark mode, the logos are not clear, the company's logo also has changed to white.





- Also when going back to the home page, the **"Sites by Status" plot** is in white.

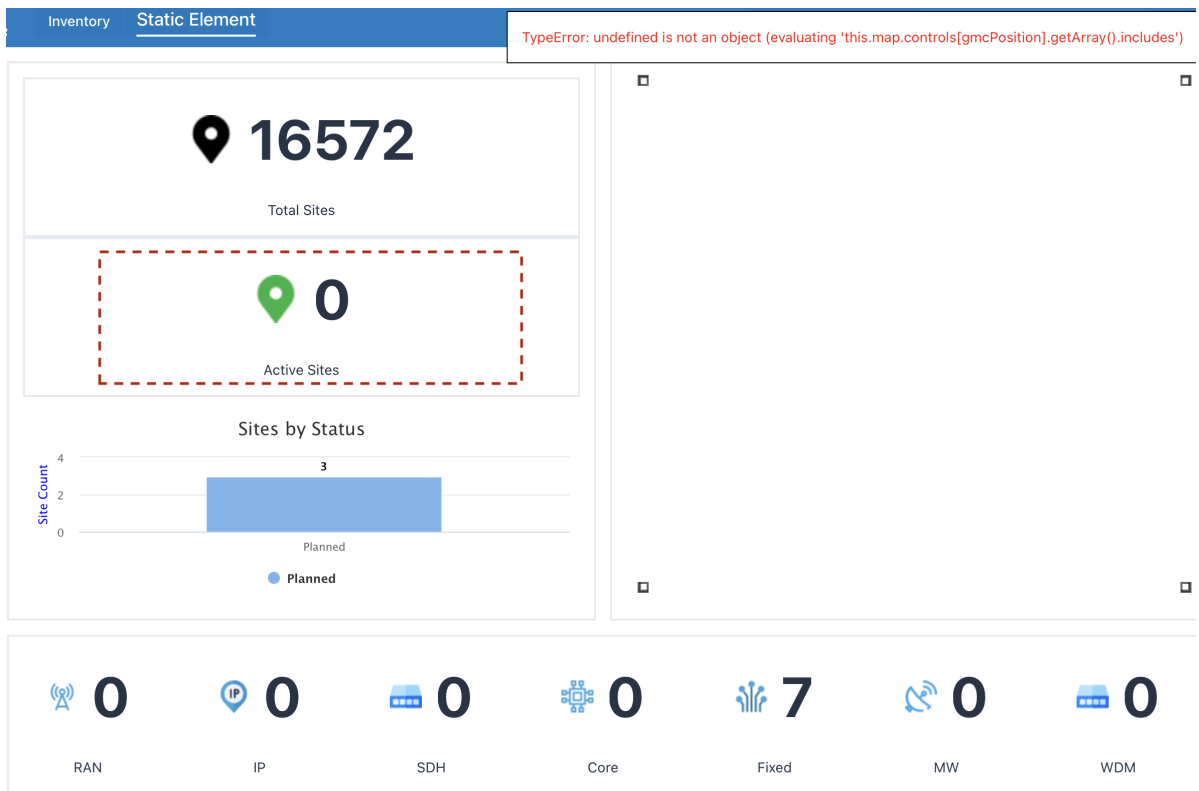


- In categorical columns, if they have fixed known categories, we can add a dropdown menu in the filter to easily select the category desired instead of typing it.



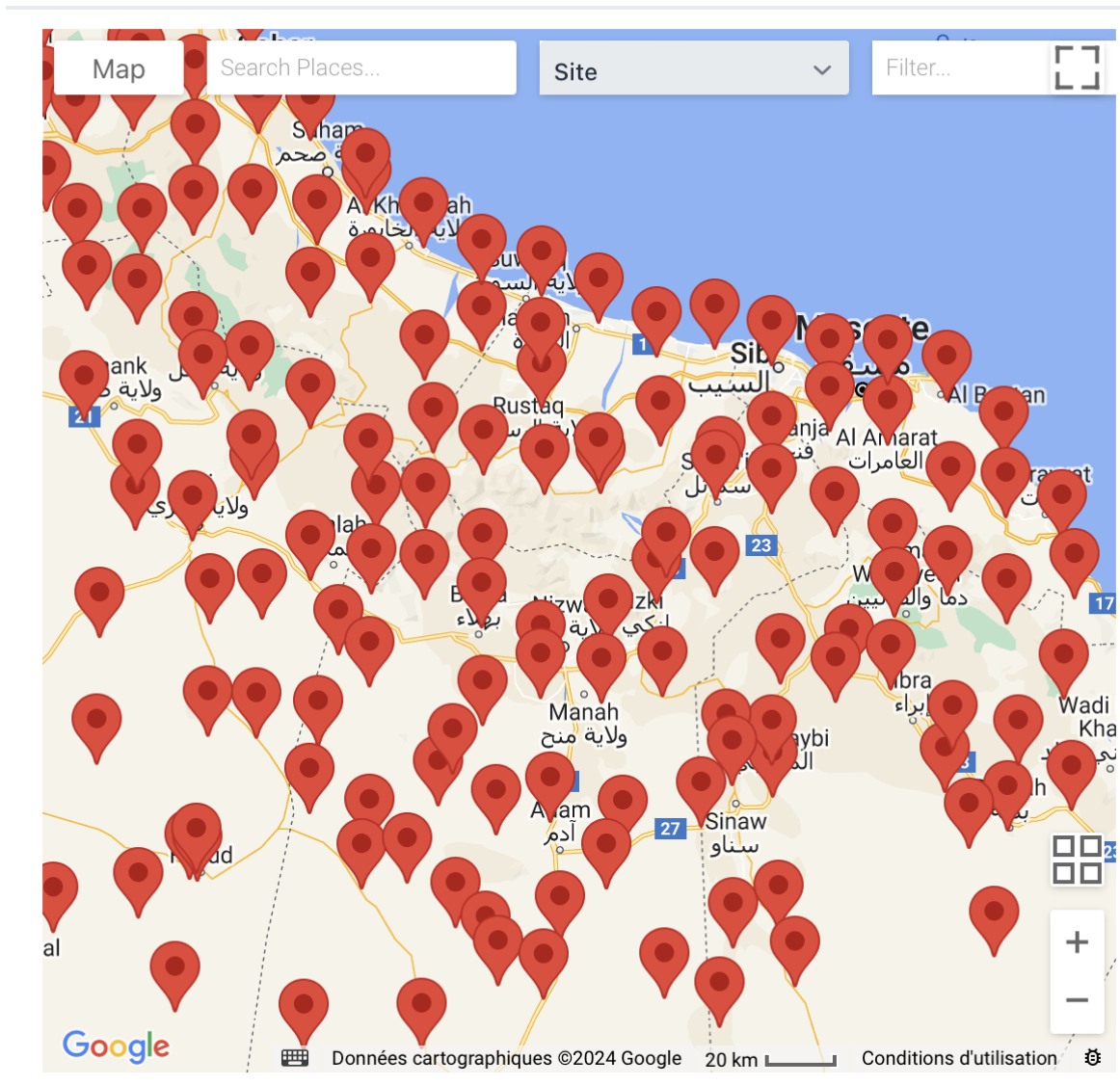
Cabinet	Cabinet Type	Cab
Text Filter... Aa	Text Filter... Aa	Te
1	MultiTechnologyAccess	
1	MDU	
1	MultiTechnologyAccess	

- Below the **"Total Sites"** we have the **"Active Sites"** we can also add the **"Non-Active Sites"** to simplify the calculations for the user. In addition, under each number we can add its **percentage** compared to the total sites.





- Maybe make the **Nuiva logo** clickable to bring the user back to the home page.
- For the map, it has many **markers close together**, which can be **overwhelming**.



So to make it more **informative and user-friendly**, we could :

- **Clustering:** Implement marker clustering for areas with many sites close together to reduce visual clutter.



- **Custom Markers:** Decrease the size of markers (could also add a bit of transparency), we could also replace red markers with custom icons that represent different types of sites or their status to add visual information.
- **Color Coding:** Use different colors for markers to represent different statuses or categories of sites, then add a legend explaining the meaning of different marker colors or icons used.
- **Search Improvements**
  - Add autocomplete to the search bar
  - Show recent searches
  - Allow searching by site attributes (not just place names)
- **Filtering Options:**
  - Expand the "Filter" functionality with multiple criteria (e.g., site type, status, capacity)
  - Use checkboxes or dropdown menus for easy selection