The problem for consulting engineers is disparate data...

These buildings just won’t stay green!
The solution is the Ongoing Performance Analysis Service (OPAS), based on Volttron...
SES provides engineering and occupant engagement consulting services on energy use for commercial and institutional buildings (~30/year). Our Volttron/web based solution will allow:

- engineers to quickly find energy conservation measures (ECM)
- owners to easily verify effectiveness of their ECM investments
- occupants to view their building’s performance relative to others

**Diagram:**

- **Volttron01** (Building 1)
- **Volttron02** (Building 2)
- **Volttron03** (Building 3)
- **MongoDB1**
- **MongoDB2**
- **MongoDB3**
- **User Interface**
- **Scan Range Page**
- **Visualization**
- **SQL DB for Point Mapping**
- **Machine Learning Automatic Name Mapping**

**Images:**

- **SFU West Mall Heatmap**
- **SFU West Mall Time Series Display**