

onesait  
utilities



# Smart Engineering Center

Smart Engineering Center takes traditional operations for new service installation and automates up to 90% of the design, engineering and budgeting required to produce an executive project.

## Key Advantages

Cost Reduction



Shorter Time Frame



Readily Available Results



Flexible and adaptable to rules and regulations and standards



Improved Quality of Service to Customers



- Isolated from the distributor's applications
- Communication is carried out via interfaces
- Three independent automation engines (as shown on the right)
- The outputs generated by the engines are in project design formats to be treated by other company systems

Client Request



Geometrical Solutions  
Automation Engine

Electrical/Mechanical  
Automation Engine

Budget Automation  
Engine



Asset Management  
Systems



Smart  
Engineering  
Center

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# Smart Engineering Center

Automation of new service requests and streamlining of engineering activities improve customer service, and saves time and cost.

## ENGINE 1: Geometrical Solutions Automation

The first engine is in charge of automating the best geometrical solution to connect the new service point to the grid applying all state/city regulations and estate register and cartography information.

## ENGINE 2: Electrical / Mechanical Solution Automation

The information obtained is used by a second engine to generate the associated electrical and mechanical design. This engine benchmarks the five most effective solutions and selects the most cost-effective option.

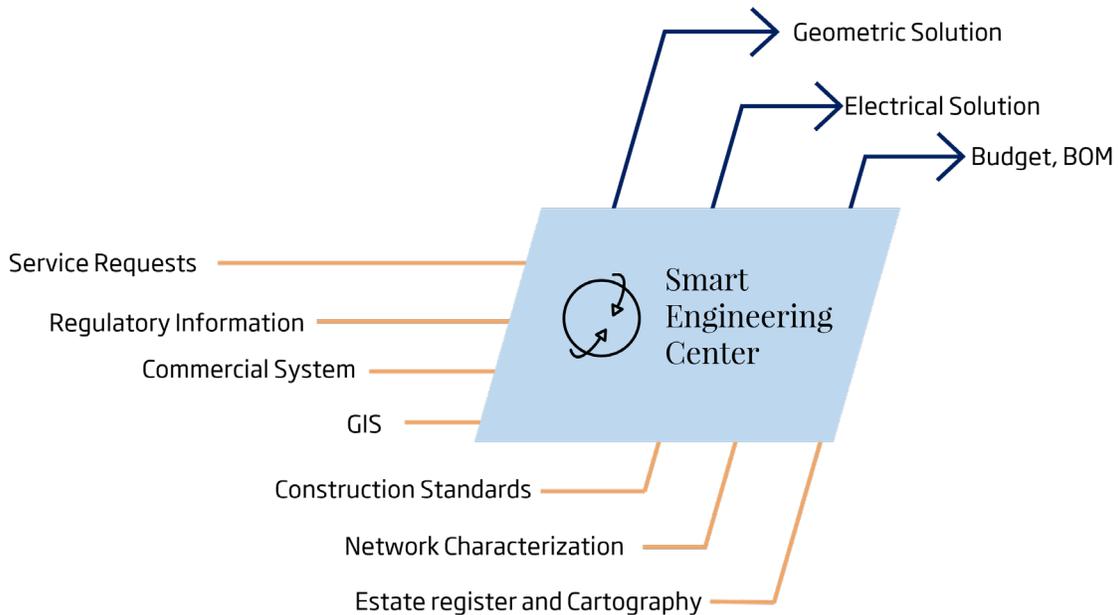
## ENGINE 3: Budget Automation

The selected best solution is processed by this engine which automates the budget of the work by preparing a bill of materials and construction units which comprises the final design.

### Key Benefits:

- Reduce engineering activities and cost by 30%
- Reduce solution development cost by 50%
- Improve customer response time by 90%
- Optimize new service requests and lower risk
- Improve customer satisfaction

## General Process Overview Flow Diagram



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2755 Northwoods Parkway | Peachtree Corners, GA 30071  
email: info@acspower.com | 800.831.7223 | minsaitacs.com

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