TWaver®

UI Visualization Solutions

TWaver® 2D

Since 2003

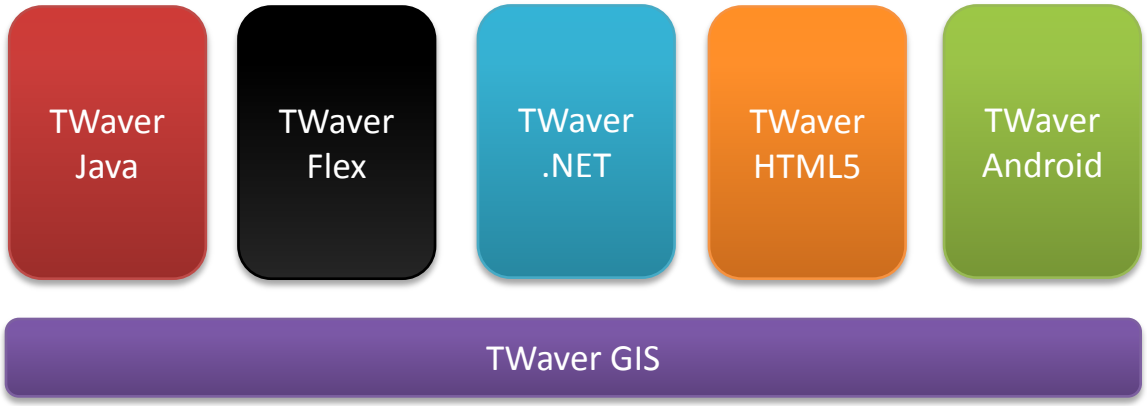
- Professional GUI toolkit for Telecom industry
- Adopt mainstream client technology
- Provide one-stop component product solution
- Provide professional topology, map, equipment component and other general GUI component such as table, tree and charts.
- Based on open technical standards, speed up the connection with backend and shorten the development time and save your cost.
- Provide plenty of prefabricate telecom business objects and elements
- Efficient and light graphics engine can be deployed on the desktop, or through web browser to present network topology, equipment and maps.

TWaver® 3D

Since 2007

- TWaver's newest 3D visualization solution with a 3D rendering engine, a visualized 3D modeling editor, a template library at the industry level and API interfaces for programming.
- Based on TWaver 2D's mature structure and also embraces unique design concepts and technical features.
- Adopted technology such as MVP and ROD (Render-On-Demand), capable to present 20,000 ~ 50,000 3D objects in the browser and operate smoothly
- Highly encapsulated API requires no mastery of 3D techniques. Instead, API makes it possible to create a 3D scenario with only a few lines of code And seamlessly integrated it with your enterprise applications.

TWaver 2D Products Family



network topology, data visualization, map solution

high performance, lightweight, flexible extension, cross platform

always offering high-quality UI solution for the Telecom industry

MOTOROLA
SIEMENS
NEC
CISCO
hp
ECI TELECOM
Alcatel·Lucent
HUAWEI
中国移动通信
CHINA MOBILE
中国电信
CHINA TELECOM
FUJITSU
ZTE中兴
ERICSSON
HITACHI
DASCOM
FutureSoft
Transforming Networks
AMBIENT
Elron TeleSoft
TATA
EADS
ASTRIUM
NATEKS
ABAX
ANTEL
Entosys
NERA
PAUnet

3D

TWaver® MONO DESIGN™

HTML5-based 3D Solution

TWaver 3D Product Structure

3D Modeling Editor | 3D Template Library | API Interface

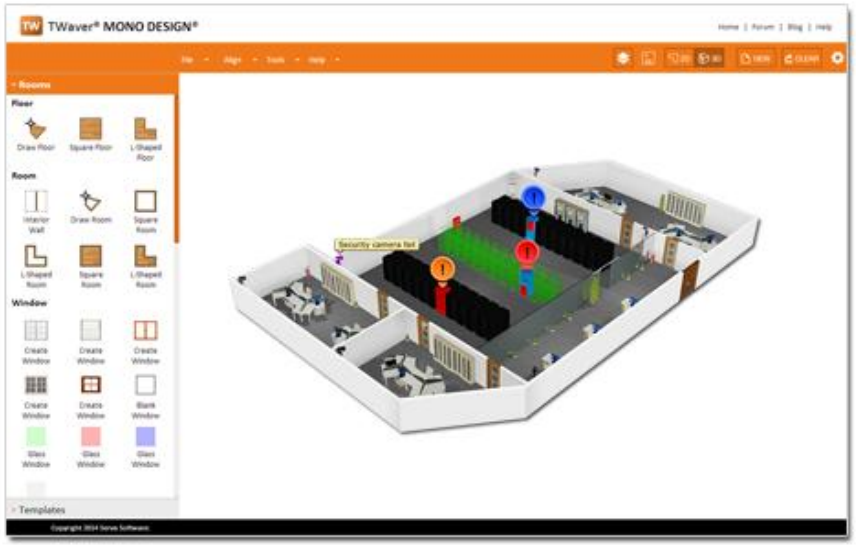
3D Graphic Rendering Engine

JavaScript, HTML5, WebGL

No Coding,
Just Drag-and-drop

With our simple, easy-to-use but powerful 3D modeling tool,
all you need to do is drag-and-drop with the mouse,

Without one line of code, only in ten minutes



You will create complex telecom
equipment and data centers ,
and implant them to web applications
based on the browser.

Design without Coding

Supports various browsers
Takes all devices and platforms

Completely based on the Web technique,

Say “Goodbye” to troublesome plugins
Smoothly run in the mainstream browsers
Suits for the desktop, tablet and mobile platforms

“Modeling once, rendering ever since”

3D Equipment Template Library Customize for your industry

- MONO DESIGN™ has predefined a 3D equipment template library
- From telecom equipment, data center, industry controller, to architecture, home furniture, and other industries
- Template library makes 3D modeling simpler than ever

API Interface

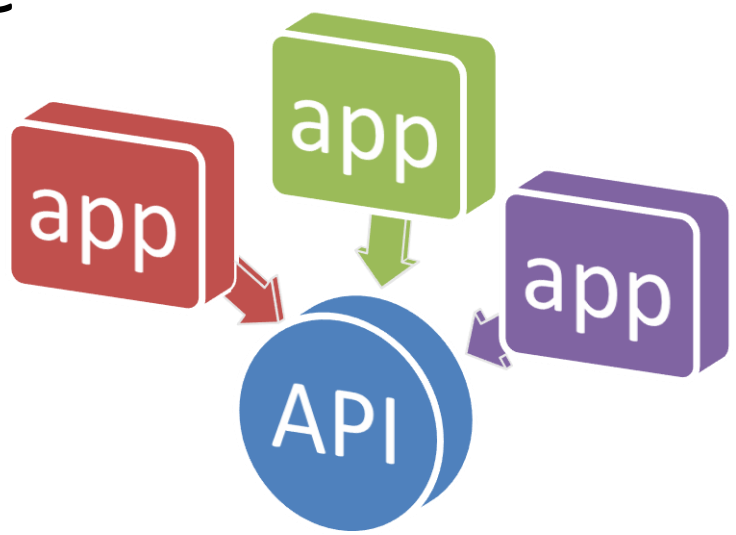
Getting started at any time

We provide complete API interfaces
for 3D application development

Highly encapsulated API requires no
mastery of 3D techniques

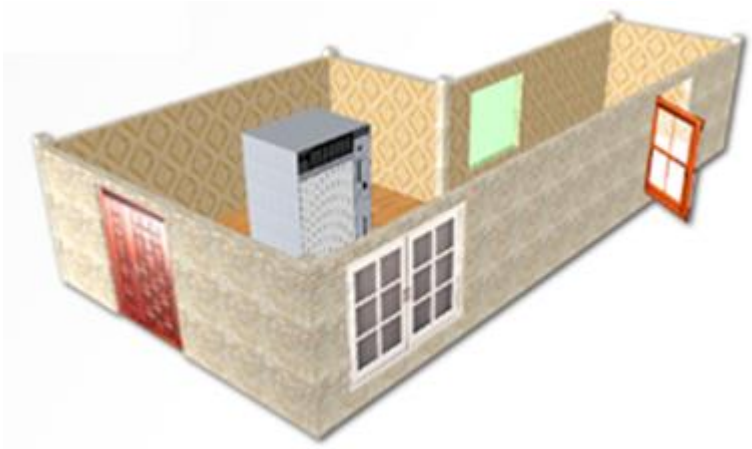
API makes it possible to create a 3D
scenes with only a few lines of code

And seamlessly integrated it
with your enterprise applications




```
function createScene() {
    createRoom();
    processWalls();
    layoutEquipments();

    render();
}
```



To know more about TWaver

Please visit

http://www.servasoftware.com

OR

Getting Started with

MONO DESIGN™

http://mono-design.cn