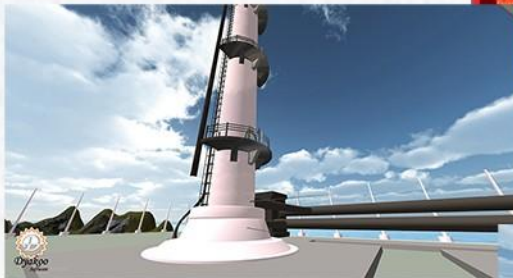All above these software products are launched as well:

➤ GIS Systems,
➤ Simulation Systems,
➤ Development and production Game software,
➤ Total Solutions,
➤ Special Products.

It's obvious that as an experienced group, they have supplied these products to order which are mentioned bellow:

➤ Over 300 live TV programs
➤ Trade data archive
➤ Tehran channel announcement
➤ GIS based on AutoCAD to control power network distribution
➤ SourceMaker and DataBaseMaker
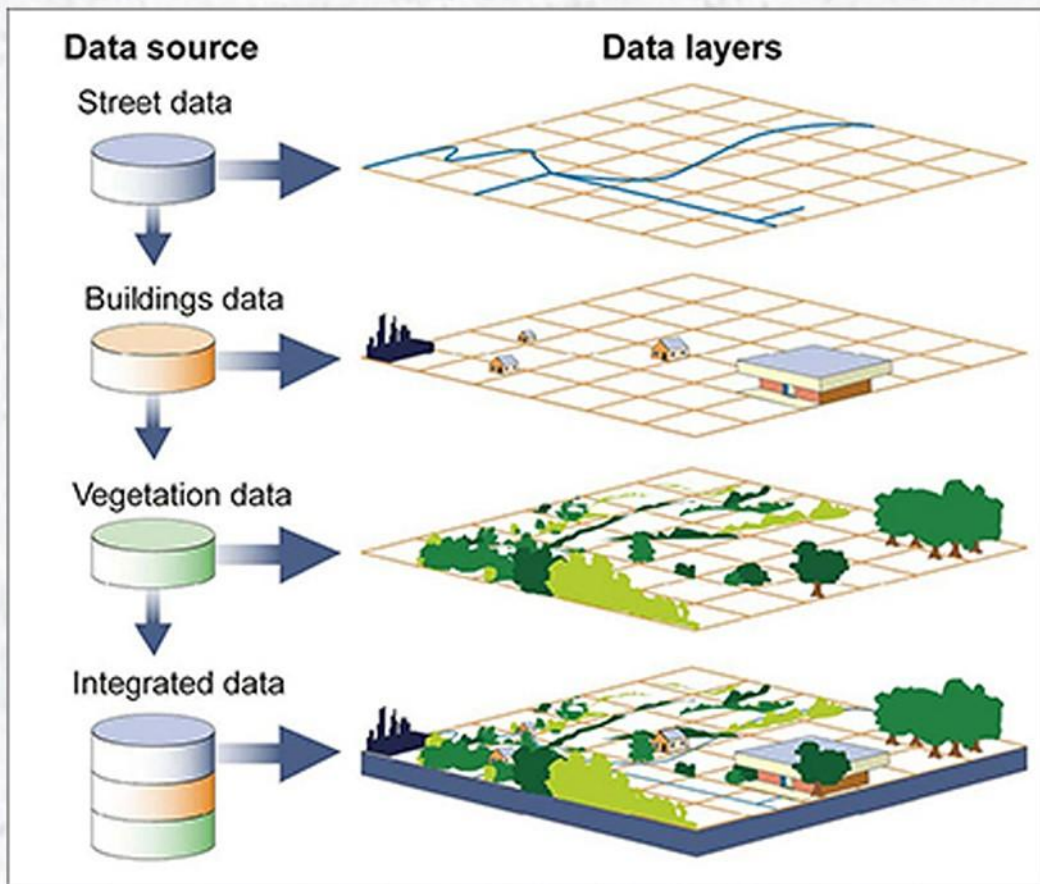➤ Game Engine 2D and 3D

GIS Solutions

Stored information in GIS needs large capacity derives there for; rapid access this data is vital and this consists of complicated process. Since foreign software in this case is not available, this firm attempts to solve this major trouble by using effective method. Software programming in AUTO CAD which is able to do mathematical and physical calculation on maps and diagrams is offered.

Abilities:

Any type data base connecting,
Internet and wireless routs connecting,
Detailed maps,
Privet Entity with individual properties,
Making detailed Popup menu

Applications:

Intelligent systems designing like: water transport system, electricity power, gas and phone distribution including mathematical computing and using data archive on maps; all are possible. In water transport system as an example power and capacity of using pumps can be reviewed by estimating flow in each section. If a pump is out of order, all drain pips will be indicated. In electricity power distribution system the power of distributed and undistributed electricity can be computed too. Designing 3D of dental wheels turbine, also is another example.
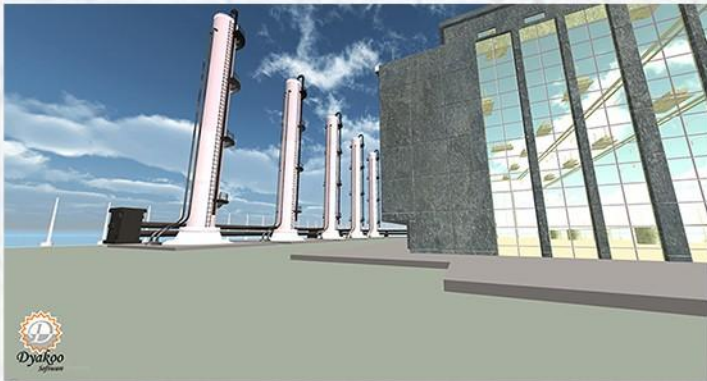Designing maps and documents archive are the main applications.

Simulation Solutions

In the field of simulation this system deals with:

➢ Physical models,
➢ Simulation environment such as atmosphere, aerodynamics flow,
➢ Real time software rendering,
➢ Compatibilities,
➢ Medical and biological models,
➢ Parallel processing in network,
➢ Flying assimilation,
➢ Fluid flue model.

"Green, yellow, red" is a TV program in which a city, a car and many moveable objects like passers by and even the car s engine sound and horn are stimulated. In this case, the user should drive one place to another while using the steering wheel and gas pedal.

Game Programming and Television Software

To obtain the real time graphicthis group designs 2D Game Engins by following compatibly:

- ➤ Designing based on Object Oriented Programming
- ➤ Using DirectX
- ➤ Able to add different properties to any object
- ➤ Hardware connecting such as: IO, A\D, D\A, capture cards
- ➤ Kurdish, Persian, Arabin fonts (over 80 fonts)
- ➤ Over 80 default effects
- ➤ Any data base Connecting

More than 300 softwares programs had been made for 18 years the same as:

- ➤ TV announcement,
- ➤ TV shows,
- ➤ Real time subtitling system 35mm Fajr film festival.

It is considerable that Over 90% of these programs were shown live due to high security.

New solution:

To develop the capacity of these system 3D Processing Engein is integrated that usually is applied in simulation, imagination, game software. Also it is able to create3D graphic internets, 3D virtual reality, real simulation and games can be easily designed by using unified expanding system. The core is included modern graphic, physical modeling and game audio. the core section is able to:
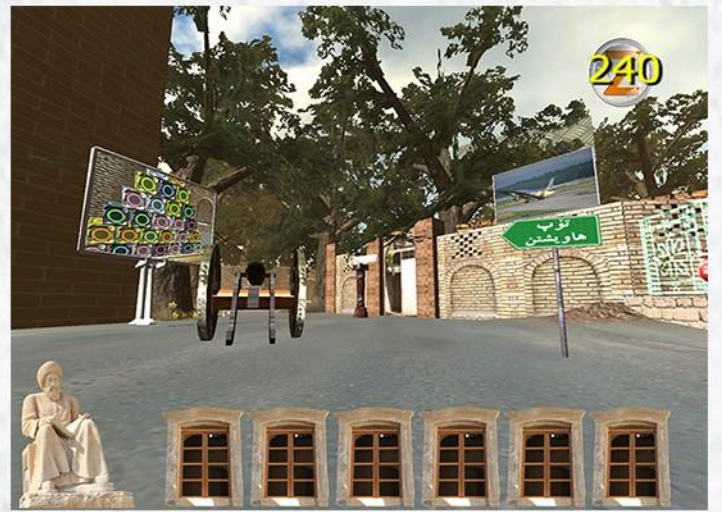

- ➤ FPS, RTS and TPS game production,
- ➤ Making artificial intelligence for machines,
- ➤ Character, vehicle and machine creation,
- ➤ Categories,
- ➤ Production of weapons,
- ➤ Maps routes,
- ➤ Camera managing,
- ➤ Water capacity simulation by physical model,
- ➤ Shader 3.0 supporting,
- ➤ DirectX and OpenGL using,
- ➤ Wide rang of Video Graphic Cards supporting,
- ➤ GPU automatic recognition,
- ➤ Light generation,
- ➤ Making shadow,
- ➤ Particle, animation and 64 bit color bit supporting,
- ➤ Live graphic effect,
- ➤ Skeletal Character,
- ➤ Tree and Car designing by physical model,
- ➤ Multi channel audio.

Game Programming and Television Software

Total Solutions

Today, international trade is being increased. So comprehensive management control system is necessary to service properly to parties to transactions and Since systems based on MIS were inefficient; design engineers design modern systems.

Consequently, ERP, CRM and SCM systems had been created as the hi-tech devices at the service of international business. First foreign samples consist of SAP and PeopleSoft were studied, then contradictions of internal system were reviewed. Finally they could acquire expanding systems ability.

Content Management Systems:

With a great skill of setting up and designing content management for city hall and I.R.I.B display; that it can establish large data base sources like: audio, picture, photo and text with various format, High speed information source searching and sending data item to personal cartulary.

Paperless Office:

The other main area of their activity is; set up and design web paperless office. Here several individual properties of this system are pointed out:

> defy personal cartulary for each user,
> defy inter office forms and edit them,
> sending inter office default format letter,
> attach text, audio, picture and photo as an enclosure,
> enclose inter office forms as an annex,
> write, initial and sing letters with an optical pen,
> making letter transcripts,
> defy emergency document,
> creating user level access,
> defy document classification,
> creating organization chart,
> document scanning,
> access technical document like AutoCAD

Special Products

Further more, Dyakoo firm present a number of special products such that:

> AutoCAD PlugIn
> Adobe Premiere PlugIn
> Automation Adobe PhotoShop
> AutoCAD ENTITY intelligent tools calculative application
> intelligent control programming