

### osi- operational system intelligence, for the analysis of a complex informatic system

Thanks to the use of solution Osi and professionalism in the field, Sintesi managed to respect the time of delivery and provided high quality and well-documented results.



**osi (operation system intelligence)** è in grado di analizzare e mappare un sistema informatico esistente, navigare al suo interno con sofisticate soluzioni grafiche e produrre in automatico codice sorgente per la sua manutenzione. **osi** garantisce una perfetta e completa manutenzione del proprio sistema informatico complesso o di quello di un proprio cliente.

**osi** is the solution for acquiring and managing the asset knowledge “Applications-Informatic System” of big organizations. **osi** is the result of intense research and development activities with major research centres.

#### Background

Sintesi received from an important System Integration company the proposal to participate to the informatic system’s modernization project of a well-known advertising agency that holds a strong and consolidate market position in Italy and Europe.

Due to difficulties encountered with the solutions already used for the project and as a consequence of the narrow time delivery, the System Integration company considered the hypothesis of addressing to Sintesi.

Sintesi’s product, **osi**, was indeed the only one effective solution for the client requirements satisfaction.

#### The problem

The advertising company required, for the modernization of its informatic system used for the palimpsests management, the conversion of its operative system, realized on mainframe platform, to a web application.

The participation request received by Sintesi let the company itself decide if possible to confirm the scheduled delivery time.

Sintesi took the challenge, committing itself to release the project at a date previous to the agreed one.

#### The solution

**osi** consented Sintesi to analyse the above-described system in maximum detail, providing in particular:

- 1 – a description of the video interface and form of all involved camps;
- 2 – a database analysis;
- 3 – a list of all error messages;
- 4 – an analysis of the business logic of each program, providing a pseudo-code version of the extended program and an evaluation of its complexity (McCabe metric).

All working phases have been carried out with the use of **osi**.



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### Implementation

The project manager, after a brief analysis, empowered **osi** experts to the elaboration of the received source program. The client required a pseudo-code version of each program and **osi** hasn't had of its disposal such functionality yet. *"We were under pressure by reason of narrow time delivery. Fortunately osi has a set of data analyzers able to examine in the maximum detail all information of which is made up the operative system"* said Luca Coppari. Subsequently, the programmers provided for verifying the analyzed material. In this way we managed to respect the time planning and client satisfaction.

### Implementation period (days/person)

On the whole, the project required 100 days/person.

### Current status

The client uses the new system. There have been made no maintenance intervention as they are not scheduled and neither the necessity for them emerged.

### Advantages

The leading Italian advertising agency, thanks to Sintesi's solution, could predate by three months the informatic system modernization, minimising therefore the general impact of company reorganization.

### Conclusions

It has been a *"turnkey project"* project; **osi** solution has been internally used in order to bring to a close the various phases of the job order. The project has been brought to a close in the best way. The assessment concerning the required days/person have been respected. In keeping with the client, the project deadline has been postponed by one week as, one week before the end of project, about 200 new programs were given to Sintesi for the analyse. The new programs entailed the verification of the already made analysis on all procedures.

Thus, Sintesi proved to have at its disposal the ideal resources *for managing in a simple and efficient manner the complexity.*