INTEGRATING ENVIRONMENTALLY RESPONSIVE ELEMENTS IN BUILDINGS

OVERGRIP PROJECT
A CASE OF STUDY AND APPLICATION
OF AN ADVANCE BIO-CLIMATIC ENVELOPES

Speaker: Eng. Christian Sossal - Research & Development Manager
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SOSSAI GROUP – A POOL FOR BUILDING INTENTES

BUSINESS UNITS

Somesec is specialised in the envelope culture conceived as a discipline of the Building Science, namely the Science of Envelope. Soglass is in glass processing, Solal in press-bending of metal sheets, Soframe in the realization of windows and doors to measure, Sotrade, a young company which aims at conquering the new European markets.

Sossai Group achieved with Somsec a world-wide leadership in the competitive context of the marine sector and a constant growth in the architectural projects delivered by Somsec to all five continents.

The Envelope is Somsec’s absolute aspiration, its “Mission”, as the pay-off clearly says: “Architectural and Marine Envelopes”.

Today the Group may say it has satisfied all its expectations, but it remains well aware that this is not a point of arrival, but a stimulus to go ahead and compete in a global market in constant evolution, which requires a dynamic management with high-tech and advanced systems.
FIELD OF ACTION

ON EARTH
Glazed envelopes, metal structures, frames, modular partitions produced by Sossai Group are used in high tech industrial buildings and spaces, characterized by an expressive design.

ON THE SEA
The huge ships ploughing the ocean waves are open to the fascinating charm of marine adventure thanks to the glazed envelopes produced by Sossai Group, which is always warranty in terms of safety, rationality, design and quality.

TOWARDS THE SKY
In the modern high buildings and skyscrapers, in which the huge glazed curtain walls reflect the bubble sky image or let the light and colours shine through, Sossai Group envelopes draw an image which appears at the same time elegant and fabulous, functional and poetic.
MISSION – TRANSPARENCY MARKS THE BUILDINGS SOARING TOWARDS THE SKY OR OUTLINED ON THE HORIZON
MISSION – GLASS AND TRANSPARENCY ARE TOMORROW’S REALITY
MISSION – GLASS: STRENGTH AND TRANSPARENCY
MISSION – MARKET CHALLENGES
ENVELOPE SCIENCE

ENVELOPE: SOMECS MISSION ESSENCE

Envelope concept by Somec

Building Science

Envelope science

Curtain evolution

from multifunctional passive component to multifunctional technological element

Multidisciplinary science without continuity between Engineering and Architecture

(Certification, Regulations, Safety, Acoustics, Maintenance, Rationality, Supportability)
KNOW-HOW

PROACTIVE
OSMOSIS BETWEEN ARCHITECTURAL & MARINE SECTORS

Value-Exchange with selected clients

Realization of reference envelopes chosen by our clients

Multidisciplinary Envelope Science
Architecture & Engineering
Aesthetic-functional Innovation
Definite static-dynamic stresses
Planning flexibility
Envelope personalization
Price-oriented

OSMOSIS

Complex stresses
Changing and severe climatic conditions
Accurate analysis of materials, components
Tests & Certifications
Sophisticated installation methods and equipment
Precise and contained planning
Major multinational clients
Usual clients >> Client retention
THE SENSE OF ACTING

ENDOGENOUS VALUE → HUMAN RESOURCES → VALUE IN

PROCESSING

VALUE

TRANSFER OF VALUE TO OUR SELECTED CLIENTS

Suppliers
Consultants
Training courses
Communication
Clients/Partners

Fincantieri
Toyota
Mitsubishi
Takenaka
Mabetex
Edibasso
Europa Risorse
Lamaro Appalti

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OVERGRIP PROJECT - DESIGN INPUT

NEW SOLUTIONS...CONSTANT INNOVATION
OVERGRIP PROJECT - DESIGN INPUT

THE NEW HEADQUARTERS COMPLEX

INNOVATIVE, SUSTAINABLE, ARCHITECTURALLY CORRECT
OVERRIP PROJECT - ARCHITECTURAL CRITERIA

INNOVATIVE, SUSTAINABLE, FUNCTIONAL, RATIONAL

TRANSPARENCY AND SHIELDING
OVERGRIP PROJECT - ARCHITECTURAL CRITERIA

BIOCLIMATIC, SUNSHADING FAÇADE
OVERGRIP PROJECT - TECHNOLOGICALLY ADVANCED ENVELOPES

THE ENVELOPE: A SENSITIVE TERMINAL

MAXIMUM COMFORT INSIDE
OVERGRIP PROJECT - TECHNOLOGICALLY ADVANCED ENVELOPES

DOUBLE SKIN: AVANT GRIP SYSTEM
OVERGRIP PROJECT - TECHNOLOGICALLY ADVANCED ENVELOPES

AIR FLOWS CONTROL
OVERGRIP PROJECT: ANIMATION OF THE DOUBLE SKIN FACADE
OVERGRIP PROJECT - TECHNOLOGICALLY ADVANCED ENVELOPES
OVERGRIP PROJECT - TECHNOLOGICALLY ADVANCED ENVELOPES

EXPLOITATION OF AVAILABLE BIOMASS
OVERGRIP PROJECT - TECHNOLOGICALLY ADVANCED ENVELOPES

ENERGY CONSERVATION, ACOUSTIC INSULATION, CLEAR ARCHITECTURAL IMAGE
OVERGRIP PROJECT - SOLAR CONTROL SYSTEMS

OPTIMUM LIGHTING LEVEL
OVERGRIP PROJECT - SOLAR CONTROL SYSTEMS

LUMINOUS AND THERMAL ENERGY CONTROL & MANAGEMENT
OVERGRIP PROJECT - LIVING IN THE INTERIORS

OPEN-SPACE INTERIORS: FREEDOM OF COMMUNICATION

EXECUTIVE OFFICES
THE HIGHEST QUALITY STANDARD

PARTITION WALLS
New “In-UNO” S100 series
OVERGRIP
OVERGRIP PROJECT - LIVING IN THE INTERIORS
OVERGRIP PROJECT - LIVING IN THE INTERIORS
DOUBLE SKIN: AVANT GRIP SYSTEM
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THE FUTURE
"AS SOON AS TECHNOLOGY REACHES ITS FULL REALIZATION, IT SOON BECOMES ARCHITECTURE"

Mies Van der Rohe