

# Construction Surveying



**ak  
sm**

land-building-industrial

**SURVEYING & MAPPING**

**SURVEYING PRECISION**





# The COMPANY

In today's complex construction environment our innovative expertise, analysis and carefully crafted approach can bring security to construction process. AKSM is taking part in all stages of construction starting from the initial design through correlation and condition surveys until the final operation through construction verification survey.

AKSM was founded in 2001 in order to provide turnkey, surveying solutions in the area of construction industry. Our personnel consists of 48 professional surveyors, experienced in most types of engineering, through the training policy the company applies and the fastest available on market equipment that the company purchases, so to meet our clients' needs.



## orange CONSTRUCTION SURVEYING

**We provide the manpower, the equipment and the precision to complete your project on time and on budget**

- **Condition surveys**

Present an accurate recording of the existing condition of a building or surrounding area.

- **Correlation Surveys**

Assure that any underground structure do not obstruct or interface with proposed design.

- **Control Network Establishment**

High accuracy network creation using the technique that meets the project's needs.

- **Setting Out**

We align the position of the elements to be constructed by establishing works on site, ensuring the most complex designs can be built with confidence.

- **Construction Verification**

We monitor and record the existence condition and timing of significant operation on the construction site through QC records in order to add value to the project.

- **Deformation & Structural monitoring (IPC monitoring)**

By using high-end equipment, software and methodologies, systematic measurements to track the alteration in the shape of our element are performed so that to prevent structural failures caused by applied loads.

- **Laser Scanning**

Where a high degree of analysis is required laser scanning technics are applied in order to conduct geometric documentation.

## BENEFITS title- orange

- Low mobilization time
- Surveying cost reduction
- Scheduling issues are avoided
- Special equipment provision



Stavros Niarchos Foundation  
Cultural Center, Athens



The new Office Complex Building of Anangel  
Shipping Company, Athens.



'Mare West' Mall, Korinthos



'The Mall Athens', Marousi

# orange & capitals Company's projects

## orange all titles



### **Zinon Athanasiadis S.A. - Leroy Merlin Store**

Construction of Leroy Merlin Store at the Commercial Park of Athens International Airport - Eleftherios Venizelos, Spata, Attica



### **Arcon S.A. - The Golden Hall**

Construction of Golden Hall, Marousi, Attica



### **Elmec Sport S.A. - Factory Outlet, Airport**

Construction of the Factory Outlet Store at the Commercial Park of Athens International Airport - Eleftherios Venizelos, Spata, Attica.



### **Zinon Athanasiadis S.A., Sanyo Hellas Holdings S.A.**

The Avenue Mall Construction of the Avenue Mall, Marousi, Attica



### **Elmec Sport S.A. - Factory Outlet, Peiraos**

Construction of the Factory Outlet Store - 76 Peiraos Str., Neo Faliro, Attica



### **Terna S.A. - Athens Heart Mall**

Construction of the Athens Heart Mall, Tavros, Attica



### **Arcon S.A. - City Link Multi Purpose Hall**

Construction of City Link – Multi Purpose Hall, Former Palace of the Army Pension Fund, Athens, Attica



### **Terna S.A.- Mare West Mall**

Construction of “Mare West Mall”, Korinthos



### **Mochlos S.A. - The Mall Athens**

Construction of the Mall Athens, Marousi, Attica



### **Arcon S.A.- Shop& Trade**

Construction of a complex building for the offices, showrooms and warehouse facilities of Shop & Trade S.A. – 222 Peiraos Str., Tavros, Attica



### **Arcon Constructions S.A. - Athens Metropolitan Expo**

Construction of the Athens Metropolitan Expo – Conference Center at the Commercial Park of Athens International Airport – Eleftherios Venizelos, Spata, Attica



### **Hepirotiki S.A., Arcon S.A.- Minion Multi-store**

Internal survey and reconstruction of Minion Multi – Store, Athens, Attica



## orange all titles



**Terna S.A. - Karouzos Station Shopping Center**  
Construction of Karouzos Shopping Center at Larisis Train Station, Attica



**Terna S.A. - Sklavenitis S.A. Hypermarket, Kallithea**  
Construction of Sklavenitis S.A. Hypermarket at Kallithea, Attica



**Intrakat S.A. - Jumbo Store**  
Construction of Jumbo Store at the Commercial Park of Larisa, Thessalia



**Terna S.A. - Sklavenitis S.A. Hypermarket, Varkiza**  
Construction of Sklavenitis S.A. Hypermarket at Varkiza, Attica



**Arcon S.A. - Eurobank**  
Construction of Eurobank branch at Kallithea, Attica



**Terna S.A. - Linde Hellas**  
Construction of the new headquarters for the company Linde Hellas, Mandra, Attica



**Euromichaniki S.A. - Mercedes Benz Hellas**  
Construction of the Distribution Center of Spare Parts for the company Mercedes Benz Hellas, Aspropyrgos, Attica



**Arcon S.A. - Ioakimidis Textiles**  
Construction of the new headquarters for the company Ioakimidis Textiles, Koropi, Attica



**Therianos Logistics S.A. - Logistic Center**  
Construction of the Logistic Center for the company Epameinondas Therianos Logistics S.A., Avlona, Attica



**Bic Violex S.A. - Bic Violex Factory**  
Construction of Bic Violex S.A. factory area (total area of 100.000 m2), Anoixi, Attica



**Arcon S.A. - Kypriotis S.A. Store, Anthousa**  
Construction of Kypriotis S.A. Store at Anthousa, Attica



**Arcon S.A. - Kypriotis S.A. Store, Chaidari**  
Construction of Kypriotis S.A. Store at Chaidari, Attica



**Arcon S.A. - W.S. Karoulias S.A., Logistic Buildings**  
Construction of 2 Logistic Buildings for the company W.S. Karoulias S.A., Agios Stefanos, Attica

## orange all titles



**Arcon S.A. – Alex Pak Store**  
Construction of Alex Pak Store, Pallini, Attica



**Intrakat S.A.- HAEF**  
Erection of the Model Kindergarten "Ioannis M. Karras" of the HAEF at the Psychiko Campus, Attica



**Terna S.A. – Grand Resort Lagonissi**  
Construction of Grand Resort Lagonissi – Conference Center, Attica



**J/V Terna S.A., Salini Impregilo S.p.A.**  
Construction of Stavros Niarchos Cultural Center, Faliro, Attica.



**Intrakat S.A. - Ilida Building Complex**  
Construction of Ilida Building Complex, Marousi, Attica



**Arcon S.A. Sports & Leisure Park**  
Construction of the Sports and Leisure Park of Municipality of Kallithea, Attica



**Iliochoira S.A. - Underground Parking**  
Construction of 6 floor underground parking building, Kifisia, Attica



**J/V Terna S.A., Aktor S.A. Tredeable station at Thriassio**  
Construction of 2nd operational phase of Thriassio Pedio Complex – Railway Station of Zefiri, Attica



**Media Strom S.A.- Media Strom Factory**  
Construction of the new factory of Media Strom company (17.000 m2, total area of 43.000 m2), Markopoulo, Attica



**Intrakat S.A.- Office Complex Building of Anangel**  
Construction of the new office complex building of Anangel shipping company, Kallithea, Attica



**Intrakat S.A.- Rea Maternity**  
Construction of Rea Maternity Hospital (17.900 m2, 7-level, plus 4 underground levels) in Piraeus, Attica



**DS Steel S.A.- Steel Work**  
Eastern Structural Steel Work for the Doha 2006 Asian Games Ceremonies, Doha, Qatar



**Intrakat S.A. – Iaso Thessalias**  
Construction of Iaso Thessalias – Medical Center, Larisa, Thessalia



**J/V ALYSJ – Metro Gold Line**  
Construction of Doha Metro Gold Line, Qatar



## orange title HIGH ACCURACY APPLICATIONS AT CONSTRUCTION SURVEYING

In modern constructions, AKSM implements high accuracy applications and modern surveying techniques.

Measurements which allow us to obtain precious indications of the elastic behavior and materials endurance and of the field's behavior, on which the construction is situated, are provided through our crew's ordinary activity.

- Real Time Automated Monitoring System (AMS) - Deformation Monitoring on Support frames at Stage Pit of Opera Building at Stavros Niarchos Foundation Cultural Center (SNFCC).
- As Built- Laser scanning for geometrical verification at Stage Pit of Opera Building at Stavros Niarchos Foundation Cultural Center(SNFCC).
- Alignment verification & guidance on preconstructed elements (beams & ribs) before casting for Opera's Ferrocement Canopy Panels at Stavros Niarchos Foundation Cultural Center (SNFCC).
- Construction and geometrical verification of Opera's Ferrocement Canopy Panels at Stavros Niarchos Foundation Cultural Center (SNFCC).
- On site Monitoring and as Built- Survey at Attica, the Department Store.
- Geometrical verification of metal brackets of Tsakona Bridge.
- Deformation Monitoring of structural steelwork for the Doha, Asian Games Ceremonies.
- Deformation Monitoring of high pressure Natural Gas Metering & Regulating station to the Feeding of V.R.A at Takoradi, Ghana.
- Real Time Automated Monitoring System (AMS) - Deformation Monitoring of Karouzos Shopping Center at Larisis Train Station, Athens.
- Façade As – Built Survey through Laser Scanning techniques at C-ring – Doha, Qatar



Karouzos Shopping Center at  
Larisis Train Station



Stage Pit of Opera Building (SNFCC).



Facade As- Built Survey at  
C-Ring at Doha, Qatar



A typical Ferrocement Canopy  
Panel at SNFCC



'Alexandros Karditsas & partners Surveying Consulting Services'  
[AKSM] 392 Mesogeion Avenue | 15341 AgiaParaskevi, Athens | GREECE |  
T:+302109702510 | F: +30213 0285617|M:+306944774491 | E-mail:info@aksm.gr

[www.aksm.gr](http://www.aksm.gr) hyper link : orange