

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.

CONSTRUCTION SURVEYING

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

- **Condition surveys**

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

- **Correlation Surveys**

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

- **Control Network Establishment**

We provide high accuracy network creation by using the techniques that meet the project's needs.

- **Setting Out**

We align the position of the elements to be constructed, ensuring the most complex designs can be built with accuracy.

- **Construction Verification**

We monitor and record the existing 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

- 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

COMPANY'S PROJECTS



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

Renovation 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

Renovation 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



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 Kipriotis S.A. Store at Anthousa, Attica



Arcon S.A. - Kypriotis S.A. Store, Chaidari

Construction of Kipriotis S.A. Store at Xaidari, Attica



Arcon S.A. - W.S. Karoulis S.A., Logistic Buildings

Construction of 2 Logistic Buildings for the company W.S. Karoulis S.A., Agios Stefanos, Attica



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. - SNFCC
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



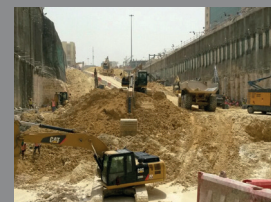
Intrakat S.A.- Rea Maternity
Construction of Rea Maternity Hospital (17.900 m², 7-level, plus 4 underground levels) in Piraeus, Attica



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 12 stations / 16km tunnels)

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) through laser scanning techniques.
- 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'

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