



TO WHOM IT MAY CONCERN.

Dear Sir / Madam;

MASTER NET SAVUNMA & GÜVENLİK TEKNOLOJİLERİ, as one of the leading Information technology engineering company of Turkey, wish to participate in the project of sea port security. We want to participate in your project with a team of experienced engineers & technicians and with brands leader in their scope in the area of Perimeter Security, IP CCTV, IP Access Control, Central & Public Announcement, Fire Alarms, Asset & Personnel Tracking, Integrated Mustering Point Applications, Fiber Optic Communication, IT infrastructures, Active & Passive Network Infrastructure, Datacenter, Monitoring & Command / Control Centers and Top Level Integration Platform.

We hope to add further values to your project with our expert professional engineers, state of the art project design, planning and implementation experiences.

Within the following pages, you can find our company profile, information about our solutions, references and detailed technical information of our business areas.

Thank you for your time.

Yours Faithfully

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1 COMPANY PROFILE

1.1 General Information

Master Net Defense and Security System Inc. was established in 2003 to perform operations in the areas requiring high technology safety & security systems such as city/ homeland security, critical infrastructure security, monitoring systems, building automation, access control, public announcement, fire alarm systems, telecommunication, IT and networking infrastructures in a tightly integrated manner.

Being one of the pioneering companies in the industry, we have managed to complete hundreds of projects successfully having quite prestigious place before the public and private sector entities.

Master Net, dedicated to provide cutting edge technologies to its customers at all times with its quality services, business integrity and after-sales support services, aims at being one of the most important technology firms, not only in Turkey but also in the region

Being a fully technology focused firm, is able to perform and complete any and all technology and security projects successfully with its highly trained and experienced team, dynamic company structure operating on 7/24 basis.

As it is focused on success and customer satisfaction, it is one of the most preferred firms by large scale public and private entities.

Master NET is a leading integrator of access control, intruder detection, video surveillance, law enforcement and integrated security solutions for the commercial, residential, city wide and country wide security solutions. We focus on delivering innovative security solutions and services across Turkey, the Middle East and Former Soviet Republics.

In a nutshell, we provide:

- **Sophisticated but cost-effective solutions** – which are designed to deliver a high return on investment
- **Integrated and scalable technology** – to protect your investments and keep them protected as your requirements grow and evolve
- **The highest levels of security** – which can deter, detect and prevent threats and translate into lower financial and operational risks

1.2 Certification

MASTERNET has the following certifications issued by local and international authorities;



1. ISO 9001 Certificate of Quality
2. TSE (Turkish Standards Institute) Service Place Competence Certificate
3. Ministry of Industry Aftersales Services Competence Certificate
4. ISO 20000 Information Technologies Service Management System
5. ISO 14001 Environmental Management System
6. Ministry of Science, Industry and Technology R&D Center
7. Certification for manufacturing hi-tech products,
8. After-sale support certification
9. Turk-Telecom approved Fiber-Optic networking certification
10. Certification to sell, install, configure and training of the networking products

1.3 Partnerships

In order to offer best technology with an affordable price We are participating with companies and brand which are leaders in their scope of works. For every component of a project, whether it is small or large scale we at first think of integrity of all components. Thus, providing highly integrated and intelligent system to the customers. Our partnerships includes the following brands;

	COMPANY / BRAND	USAGE	Status
1.	GENETEC	TOP LEVEL INTEGRATION PLATFROM	Integrator & Technology Partner
2	GENETEC SECURITY CENTER	IP BASED VMS	Integrator & Technology Partner
3	GENETEC SYNERGIS	IP BASE ACCESS CONTROL	Integrator & Technology Partner
4	GENETEC MISSION CONTROL	INCIDENT MANAGEMENT	Integrator & Technology Partner
5	GENETEC AUTOVU	NUMBER PLATE REGOCNITION	Integrator & Technology Partner
6	AXIS	IP CAMERAS, PERIMETER RADARS, IP INTERCOMS	Partner & Integrator
7	PANASONIC	IP / ANALOG CAMERAS	Partner & Integrator
8	DAHUA	IP / ANALOG CAMERAS	Partner & Integrator
9.	BOSCH	IP / ANALOG CAMERAS, FIRE ALARM, PUBLIC ANNOUNCEMENT AND INTRUSION DETECTION	Partner & Integrator
10.	SIEMENS	Fire Alam Systems	Partner & Integrator
11.	UTC	FIRE ALARM & INTRUSION	Partner & Integrator
12	EDWARDS	FIRE ALARM	Partner & Integrator
13	FFT	PERIMETER SECURITY	Partner & Integrator
14	OPTEX	PERIMETER SECURITY	Partner & Integrator
15	SpotterRF	PERIMETER SECURITY	Partner & Integrator
16	NAVTECH	PRIMETER SECURITY	Partner & Integrator
17	MAGAL-S3	PERIMETER SECURITY	Partner & Integrator
18	BRIEFCAM	VIDEO SYNOPSISSES	Partner & Integrator
19	KIWIVISION	VIDEO ANALYTICS	Partner & Integrator
20	HID	ACCESS CONTROL HARDWARE	Partner & Integrator



3	GENETEC SYNERGIS	IP BASE ACCESS CONTROL	For the access control need we use Genetec platform to fulfill even the most extreme need such as cctv integration, fire alarm integration, perimeter security integration and mustering point automation. It has built in support for biometric access control units and there is virtually no limit for scalability
4	GENETEC MISSION CONTROL	INCIDENT MANAGEMENT	We offer to use Genetec Mission Control for incident management of various data sources such and cctv, access control, perimeter security, fire alarms and virtually limitless data sources of a facility
5	GENETEC AUTOVU	NUMBER PLATE REGOCNITION	Genetec is the only company having a natively integrated LPR system in hand. It is tightly integrated with access control, cctv and mission control for critical security and safety needs
6	AXIS	IP CAMERAS, PERIMETER RADARS, IP INTERCOMS	We use Axis products for large sized project because of it manageability and stability.
7	PANASONIC	IP / ANALOG CAMERAS	Cctv projects
8	DAHUA	IP / ANALOG CAMERAS	We offer Dahua line of products in project where price is the main concern.
9.	BOSCH	IP / ANALOG CAMERAS, FIRE ALARM, PUBLIC ANNOUNCEMENT AND INTRUSION DETECTION	We use Bosch products in project where integration is an issue
10.	SIEMENS	Fire Alam Systems	Siemens fire alarm system is one of the most dependable system in fire alarms and with the capability to integrate to other platforms via OPC we mostly use Siemens as the fire alarm vendor for large sized projects.
11.	UTC	FIRE ALARM & INTRUSION	
12	EDWARDS	FIRE ALARM	
13	FFT	PERIMETER SECURITY	FFT is the leader in perimeter fiber sensing systems. It is also



			tightly integrated to our top level management platform
14	OPTEX	PERIMETER SECURITY	Integrated into Genetec Top level platform
15	SpotterRF	PERIMETER SECURITY	For restricted are surveillance this radar brand is fully integrated to our integration platform
16	NAVTECH	PRIMETER SECURITY	For restricted are surveillance this radar brand is fully integrated to our integration platform
17	MAGAL-S3	PERIMETER SECURITY	Magal has one of the top level perimeter fiber sensor and other means of perimeter security.
18	BRIEFCAM	VIDEO SYNOPSISSES	BriefCam is tightly integrated into Genetec and one of the core component of a large and restricted are surveillance.
19	KIWIVISION	VIDEO ANALYTICS	Integrated into Genetec Security Center, Kiwi Analytcs cover all of the video analytics rules ranging from tripwire to face identification
20	HID	ACCESS CONTROL HARDWARE	Natively integrated into Genetec
21	MERCURY	ACCESS CONTROL HARDWARE	Natively integrated into Genetec
22	ASSA ABBLOY	ACCESS CONTROL HARDWARE	Natively integrated into Genetec
23	NEC	FACE IDENTIFICATION	Natively integrated into Genetec
24	CISCO	ACTIVE NETWORK	We use Cisco hardware for wired and wireless infrastructure of large sized projects
25	DELL	SERVER / WORKSTATION / STORAGE	
26	SUPERMICRO	SERVER / WORKSTATION / STORAGE	
27	VMWARE	VIRTUALIZATION	Natively integrated into Genetec
28	BARCO	VISUALIZATION	Natively integrated into Genetec
28	HGH INFRARED	PERIMETER SECURITY / THERMAL PANOROMIC DETECTION	For highly secure restricted area surveillance like oil and gas infrastructures and military installations



29	DIGITAL BARRIERS	PERIMETER SECURITY AND INTRUSION SENSORS, SEISMIC SENSORS, ADVANCED VIDEO ANALYTICS	Restricted Area Surveillance for critical sites and structures
30	SPYNEL	OPTICAL THERMAL RADAR SOLUTIONS FOR PERIMETER SECURITY AND WIDE AREA SURVEILLANCE	Military installations and strategical infrastructures
31	AGENT-VI	ADVANCED VIDEO ANALYTICS	Critical Site Surveillance and strategic installations

1.4 Our Area of Interest & Experience

Designed to combine our expert aspects with our solutions to deliver turn-key projects, we have proved our expertise in the manner of integrated intelligence. We also provide solutions, each based on our own expertise, and within the ability of very comprehensive service provider manner. They are mainly:

Electronic Security Centers and Systems,

1. *City Security (CCTV / IP CCTV) Centers and Systems,*
2. *Homeland Security Systems (Thermal, Laser and Infrared Illuminated Professional Monitoring Solutions),*
3. *Critical & Restricted Area Surveillance, Plant and VIP Building Security,*
4. *Road Safety,*
5. *Border Security, Patrol Security,*
6. *Disaster Coordination Centers and Systems,*
7. *Professional monitoring /audio systems,*
8. *Corporate communication Systems,*
9. *DLP Cube / LCD wall (video wall) Systems,*
10. *Outdoor / Indoor LED Visualization Systems, LED Totems,*
11. *Video Conference Systems,*
12. *Active / Passive Fiber Network Systems, OTN and DWDM Fiber Networks, Telecom Infrastructures,*
13. *Local and Wide Area Network Systems,*
14. *Wired / Wireless Communication Systems*
15. *Data Center applications, Server, Storage, Server Virtualization, Storage Virtualization systems,*
16. *Digital Signage / IPTV Systems (SMATV, MATV),*
17. *Digital Cable TV Systems (DVB/T), Centralized Satellite Distribution Systems,*



18. *Variable Content Traffic Signaling Systems (VTS), Law-Enforcement Radar, License Plate Recognition Systems, Speed Violation Systems,*
19. *Access Control Systems,*
20. *Weak Current Systems (emergency announcement, fire detection, intrusion detection),*
21. *Car Park Management Systems (Empty / Occupied, barrier control automation),*
22. *Command and Control Vehicles, VIP Vehicles*
23. *Centralized City Management*
24. *Centralized Building Management*
25. *Centralize Incident Management*

Services

1. *Installation Services*
2. *Maintenance Services*
3. *Periodic Maintenance Services*
4. *Project Management Services*
5. *IT Settlement Services*
6. *Education & Consultancy*

1.5 What we Offer?

We are able to provide safety and security solutions to every kind of need, from personal requirements to city-wide installations along with the entire infrastructure required; including fiber optic communications, networking, server & storage solutions, data center solutions, wired / wireless communication and software packages.

1.6 Our Reference Projects & Success Stories

We have vast number of reference project both in Turkey and Worldwide in the area of Lan Switching, Passive Fiber Networks, Telecom Networks, Security, IT Infrastructures, Data Centers and more.

1. *TÜRKMENİSTAN / AWAZA Law Enforcement Radars and VTS system*
2. *TÜRKMENİSTAN / AŞKAABAT Memorial Park IP CCTV System*
3. *TÜRKMENİSTAN / AŞKAABAT / Presidential Roads Security System*
4. *AZERBEYCAN / BAKÜ 2015 European Games Security and Access Control System*
5. *TRT WORLD / Integrated CCTV and Access Control System*
6. *AYEDAŞ(State Electric Distribution Company) / Anatolian Side CCTV System*
7. *ENERJİ SA / Anatolian Side CCTV System*
8. *VAİLLANT / TÜRK DEMİRDÖKÜM Bilecik & Kurtköy Factories IP CCTV*
9. *MALTEPE Correctional Facility / Prisoner Tracking and CCTV*
10. *BLACK SEA TECHNICAL UNIVERSITY / Storage and server systems*
11. *MARMARA UNIVERSITY / Active Networking*



12. *ISTANBUL TECHNICAL UNIVERSITY/ Campus CCTV*
13. *TRABZON / ARAKLI City Surveillance*
14. *TRABZON / ÇAYKARA City Surveillance and networking*
15. *MUTLU Accumulator Plant / Access Control and IP CCTV*
16. *YILMAZ MAKİNE / IP CCTV, Network, Sunucu & Storage &IT Consultancy*
17. *DOĞA MADENCİLİK / CCTV Systems*
18. *EXXON MOBILE Lubricant Plant perimeter, cctv, access control, central announcement and integration platform*
19. *DP WORLD YARIMCA PORT perimeter security, ip cctv, access control, fire integration and number plate recognition systems.*
20. *YENİ ENERJİ Gebze Natural Gas Power Plant; perimeter security, access control, ANPR and integration platform with fire and security systems*
21. *DOWAKSA, fiber Carbon and acrylic plant perimeter security – in progresss*
22. *NUROL Machinery Armored Military Vehicles – gun tower recording systems*
23. *BMC Armored Military Vehicles – gun tower recording systems*
24. *Kazakhstan Army Disaster Recovery and Border Monitoring Vehicles – Software integrations and vehicle video recording system with central management*

Participated Tenders (large scale);

1. *Istanbul Great Airport (IGA) Safety & Security Systems 1st technical solution and 2nd best price offer*
2. *Turkish Airforce Critical Air Bases Security Project 2nd best technical and economical offer*
3. *Asghabat / Turkmenistan Safe City Asghabat Project 2nd best technical and economical offer*
4. *Mouritanya Internet Infrastructure Project 3rd best proposal*
5. *Zikrit Naval Base / Qatar safety & security systems including perimeter security, access control, fire alam, public announcement, monitoring centers and cctv – in progresss*
6. *Malatya F-35 fighter jet base safety & Security systems – in progress*
7. *İzmir Göztepe Stadium safety & Security Systems – in progress*

Projecting and Consultaning;

1. *TÜRKMENİSTAN / TurkmenBashi- Asghabat Intelligent Highway System*
2. *TÜRKMENİSTAN /Asghabat International Airport Security Systems*
3. *IRAK / Necef City Wide Surveillance System*
4. *IRAK / Kut City Wide Surveillance System*
5. *LİBYA/ Libya-Egiypt Border Sercurity System*



6. *TURKISH RAILWAYS / ESKISEHIR-KUTAHYA-BALIKESIR railway security system*
7. *National Electrical Train Set- Safety & Security systems along with automation software*

1.7 Our Core Technical Team

We are aware of the fact that implementing a successful project should begin with right technical team. Therefore we have chosen individuals with vast field experience and proper education and certification to suit your needs. The engineering team that we offer not only to design, plan and setup your system but also to give after sales support such as training, testing, maintaining and commissioning of the project. Our team is at your disposal in case you need technical assistance.

Beside the core team we have over 50 high skilled and experienced engineers and technicians' team to work for the project during designing, planning, implementation and after sale support such as maintenance, education, training and certification. Every person in our team dedicated for this project will have the appropriate certification along with their formal educational diplomas and certificates.

2 SITE ORGANIZATION PLAN & WORK METHOD

1.1 GENERAL

This section defines the major guidelines, the method of work and our plan of the site organization

1.2 PROJECT IMPLEMENTATION

A typical project timeline consists of the following phases, after **contract signing**:

1. Conducting a detailed site & terrain survey;
1. Detailed planning, resulting in preparation of detailed Critical Design Revue
2. Implementation - purchasing, manufacturing, testing and installing;
3. Commissioning and training;
4. After sales support;
5. Maintenance;

1.3 DOCUMENTATION

Detailed information, CAD drawings, single-line schemas and other principle and block schemas will be provided after both parties make a confidential disclosure agreement (CDA).

1.4 PROJECT OFFICE AND PROJECT MANAGEMENT

As part of this project, MASTERNET will establish a project office which will monitor and manage all site activities directly related to MASTERNET's scope of work. The project office will be managed by the project manager who will be a professional with experience in implementation of similar telecommunication projects.

The Project manager will coordinate all activities with the Customer as well as any local authority involved in the project implementation. The project manager will also be responsible for the overall project implementation, related to MASTERNET's scope of work, quality and the specific work and completion quality in each and every segment of the project.

1.5 STRUCTURE OF IMPLEMENTATION TEAM



The actual day to day activities will be monitored and managed by the site manager who will be reporting directly to the project manager. The Site manager will be a qualified engineer who will coordinate the different activities and manage the different professional teams lead by team managers namely, electrical manager, IT manger, mechanical manager, etc.

1.6 EQUIPMENT STORAGE AND MOBILIZATION

All equipment imported and/or purchased locally, will be stored in one specific location (at the site or in close proximity to it), allocated for short term storage of the equipment. Equipment will be issued and dispatched on a daily/weekly bases by a dedicated store manager appointed by MASTERNET. Mobilization of equipment from the allocated store to the work area in the port will be done by the pick-up cars and/or trucks which will be available for use by the project/site managers.

3 TRAINING & TRANSFER OF KNOWLEDGE

3.7 TRAINING

MASTERNET gives special attention to the training of local personnel to operate the overall solution and understand the components and their significance in the solution.

In principle, we design and conduct full, comprehensive training courses for the relevant personnel appointed by the customer. The training course includes both frontal tuition classes and hands-on practical sessions, in which the trainees acquire all the knowledge and proficiency required for successful operation of the systems.

The training gives attention to both the hardware and the software components of the system.

3.8 CERTIFICATION

At the end of the training course, specifically designed tests and exams are conducted to verify that the trainees have fully understood the material and information, and are able to operate the systems. Those who complete the training course are awarded a MASTERNET course certificate.

3.9 TRAINING ORGANIZATION AND DURATION

The training is carried out by MASTERNET personnel at the Customer's facility. We estimate three sessions for the different levels of users: Operators, Supervisors and Technical Staff. The goal of the training courses is:

To equip the Customer's personnel with the knowledge to troubleshoot first level problems on their own and;

To allow the operational team to fully understand the benefits and advantages of the System so that they'll be able to respond to the problems as efficiently as possible;

We recommend that the training sessions shall take place in groups of 5 employees at a time, to better enable the trainees to absorb the course information. In general, we anticipate the training course duration to be four weeks.

We are always willing to provide the Customer scheduled training courses to refresh the knowledge of its employees that gave undergone training and to train new employees and users of the infrastructure.

