



# SANCAKLI FIRE TRUCKS AND SPECIAL AIMED VEHICLES



Our Company was founded in 1993 to manufacture equipment such as fire truck, garbage compactor truck, water tanker, vacuum & jetting trucks and lifting platforms and many other heavy equipments for municipalities, public and private sector. In our facility of 5.000 m<sup>2</sup>, 1.500 m<sup>2</sup> of which is open, we have the capacity to manufacture on vehicle equipment.

In line with the increasing demands, we are taking quick steps to expand our market and to brand in our current markets.

Our Company has served to Turkish Armed Forces, Province Municipalities, Town Municipalities and hundreds of public and private organizations by means of building vehicles. Vehicles have been exported to countries, Saudi Arabia, UAE, Qatar, Syria, Iraq, Nigeria, Kenya, Morocco, Sudan, Pakistan, Indonesia, Vietnam, Azerbaijan, Macedonia and Kosovo as well.

Our company manufactures its products for export with ISO9001 and CE certificate conforming to EU laws. Our Company, which ranks differently due to its post-sale services, displays its difference by means of procuring 24-hour on-site service with its mobile service team.

Our fundamental principle is to provide products and services in conformity with accepted standards for this aspect, pursue employee health and safety, increase the competence of our human resources with training activities and procure constant development and improvement of our quality management system in order to make complete, timely and quality production by following the technologies that change constantly. SANCAKLI brand is the place that meets trust and stability.

**27.**  
**YEARS**



# SANCAKLI FIRE TRUCKS AND SPECIAL AIMED VEHICLES

## TELESCOPIC PLATFORM

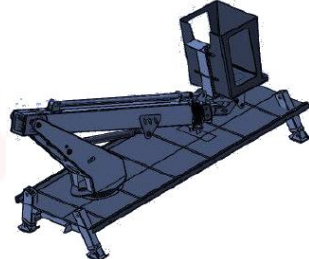


### FEATURES

Sancaklı platforms are built on a truck chassis, it is an easy-moveable and safe unit for service and assembly work and it is intended for working at construction sites. Typical applications are electrifiable installation, painting for roof and exterior. The boom mounted basket can be turned sideways, raised and lowered, moved forward and backward, hydraulically leveled and extended telescopically. (Basket rotation is optional depend on customers demand, price could be raised )

All boom operations can controlled from basket and remote control panel of vehicle.

Sancaklı platforms are CE approved and approved for road traffic in European countries. It can be fitted with different accessories to meet customer needs.





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## CHASSIS

- Towers and booms shall be manufactured with a high strength profile or bended steel sheet to be carry dynamic and static resistant static and dynamic loads.
- The chassis shall be attached to the vehicle chassis by means of hairpins or hair plates and may be detachable from the vehicle chassis when its necessary.
- The places where the hairpins shall be attached to the chassis shall not be crushed or deformed.
- The nuts, which the hairpins are attached shall be double gasket.
- There shall be a reinforcement plate at welding area of the frame.

## OUTRIGGERS

- Hydraulic platform shall have four feet that provide static and dynamic balance at the work moment.
- The outriggers shall be connected to the chassis, which is manufactured to be box form construction.
- The working direction of the legs shall be in the form of horizontal-vertical.
- There shall be shoes at end of the outriggers, these shoes will be designed to keep the vehicle in balance in all terrain conditions.
- There is a control centre of the legs cylinders at left side of the vehicle.
- Legs are driven by hydro mechanical control and there will be balance scale at the near of the control panel for checking vehicles balance.
- There shall be a labels on the buttons which is understandable for operators.
- There shall be locking valve on the legs, valves are bonded to the piston at bolts.

## TOWER

- Tower shall be made from high strength St52 material.
- Tower shall be able to rotate around one's own axis at , rotation process; shall be provided with hydro motor, pinion gear and redactor.
- Control valves of the platform is assembled on the sides of tower disk, there shall be also have a housing cover that, protects the valves against external weather conditions.
- Also there shall be a labels and Marks which are helps operators to control platform easily.

## BOOMS

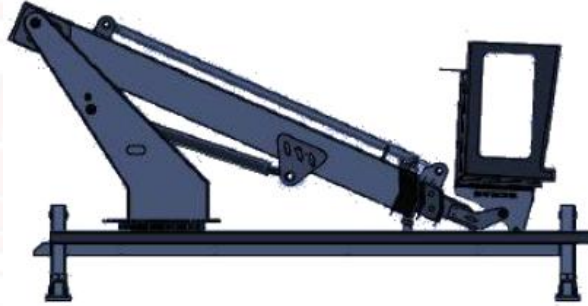
- Booms are shall be made from high strength steel material.
- Booms shall be telescopic design, which are made as deep bedding each other with steel plates. These plates are bonded the booms with recessed bolt and will be tolerate safely the surface pressures.

## BASKET

- Basket shall be made of fiberglass material, it shall be possible dimension to works two person together. Electrical isolation of the basket will be provide at least 2500 volt.
- Basket shall be design for easy to get into it.
- Basket will be assembled to the boom with steel bolts.
- Parallelism of basket to the ground shall be secured to during movement of the booms, it will be provided by hydraulic automatic basket system.
- Control panel of the basket shall be protected against external weather conditions and it will be included vehicle engine start/stop switch.
- There will be a projector for night shifts at top of the basket which is connected to the vehicle battery.
- In the basket there will be a panel with all the controls, the lifting capacity of the basket shall be minimum 200 kg



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## HYDRAULIC SYSTEM

- The hydraulic cylinders can effort all functions of hydraulic system and pump pressure. Cylinders are made from St52 honed steel pipes and there will be no scratches, bumps and ovality in the pipes.
- Piston shafts shall be 50 micron chrome-nickel coated and honing Ck 45 or ST 70 material. There will also be a safety pin in the connecting nuts of the piston mounts.
- There Shall be a special and compact gaskets for piston sealing, seal sockets tolerance are shall be fit well.
- Hydraulic oil tank shall be suitable for capacity for system, it shall be contains; heat and level gauge, suction and return oil filters.
- At the bottom, the ball valve will be mounted to the pump suction hose.
- Hydraulic pump driven by PTO, pump shall be support proper pressure and flow rate, working pressure is at least 210 bar.
- Pump activating button will be in the vehicle cabined.
- Hydraulic hoses are provide at least 210 bar working pressure, hoses will be at least R2 quality. The hoses will be covered as far as possible. Hoses will not be notched or excess constriction.
- Hydraulic section pipes are shall be made of drawn steel pipe, pipes will be proper diameter to provide suitable oil pressure and oil can travel inside the pipes without heating.
- There will be a monoblock control valves on foot control panels.
- Shall be have a pressure control safety on monoblock remote panel , also tower and basket shall be have same option.
- The voltage of the solenoid valves to be used shall be the same as the vehicle battery.
- High pressure increases in the hydraulic circuit will be prevented, there will be a safety valve.
- Pilot controlled load check valve shall be used in all pistons to ensure safety in hose explosions.
- In the foot pistons, locking valves will be used to prevent the piston shaft falling down. These valves bonded to the pistons with bolts.
- A hand pump with mechanical arm that allows the outriggers to be recall at any failure will be mounted on the oil tank.





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## **ELECTRICAL SYSTEM**

- Hydraulic platform controls shall have joystick or electric proportional hydraulic system. Joystick or Hydraulic system can be controlled from on the tower and basket control panels.
- There will be emergency button on system.
- When the platform is on operational, there is a rotating and flashing beacons on the basket and platform tower.
- The equipment used in the electrical system shall be insulation standard of IP 65 and the cables shall be completely isolated. Panels shall have water, dust, etc. sealing properties. The joysticks in the control panels shall be of bellows type and shall be leakproof.

## **PAINTING**

- After all surfaces are sanded and cleaned, 2 layers of primer and final layer paint will be applied.









## **WARRANTY**

- 1 year warranty against manufacturing defects.





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TYPE	SANCAKLI TELESCOPIC PLATFORM	
Basket Height to Ground		12 Mt. – 24 Mt.
Platform Working Height		14 Mt. – 28 Mt.
Lateral Outreach of Platform		7 Mt. – 12 Mt.
Type of Outriggers		A Type – H Type
Tower Rotation Angle		Optional
Basket Rotation Angle		-+90
Weight Capacity of Basket		225 Kg. – 250 Kg.
Working Pressure		180 Bar – 220 Bar





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## CERTIFICATE

*This is to Certify that the  
Quality Management System  
of*

**SANCAKLI İTFAİYE ARAÇLARI YAPIMI SANAYİ TİC.LTD.ŞTİ.**

Fevzi Paşa Mahallesi Kasaba Caddesi No:38/C Çobanisa Manisa

has been independently assessed and is compliant  
with the requirements of

### ISO 9001:2015

This Certificate is applicable to the following product or service ranges:

**MANUFACTURING OF FIRE ENGINES,VACUUM, GARBAGE TRUCK ETC.  
VEHICLE TOP EQUIPMENT**

:: Certificate No:: **50327-A001**

Date of initial registration	<b>24 January 2019</b>
Surveillance Audit on or before	<b>23 January 2021</b>
Certificate expiry	<b>23 January 2022</b>
Recertification Due	<b>23 January 2022</b>

This certificate is property of LMS Certifications and remains valid  
subject to satisfactory annual surveillance audits.

**Director**

Accreditation  
**IAS-ANZ**



[www.ias-anz.com.au/register](http://www.ias-anz.com.au/register)



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Accredited by Joint Accreditation system of Australia and New Zealand (accreditation No: M4540210/L)

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For precise and updated information concerning the present certificate mail to [info@lmscert.com](mailto:info@lmscert.com)



**27.  
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## SANCAKLI FIRE TRUCKS AND SPECIAL AIMED VEHICLES

*Fire Truck - Ladder Firefighting Truck - MiniPack Compactor  
Garbage Compactor Truck - Water Truck - Vacuum Truck  
Sewer Jetting Truck - Jet&Vac Combine Truck - Dumper  
Telescopic&Articulated Platforms - Hooklift - Skip Loader  
Recovery Truck - Food/Theater/Workshop Truck - Mobile Cafe*

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