

**FLAGPOLES** | Design | Manufacture | Installation | Maintenance



# Monumental Flagpoles™

## World's Tallest Flagpoles

Trident Support is the world's leading expert specializing in the design, manufacture and installation of record-breaking Stately Flagpoles™ and Monumental Flagpoles™. Currently the Guinness World Records holder for the six Tallest Unsupported Flagpoles in the World, Trident Support is ready to assist your organization in building a flagpole that's guaranteed to make a lasting impression.

### Tallest Unsupported Flagpole World Record Achievements

Dushanbe, Tajikistan	165m
Baku, Azerbaijan	162m
Ashgabat, Turkmenistan	133m
Aqaba, Jordan	132m
Amman, Jordan	127m
Abu Dhabi, U.A.E.	123m



Dushanbe, Tajikistan | 165m



Baku, Azerbaijan | 162m



Ashgabat, Turkmenistan | 133m

Aqaba, Jordan | 132m

Amman, Jordan | 127m

Abu Dhabi, U.A.E. | 123m



# Stately Flagpoles™

Trident Support's Stately Flagpoles™ combine elegance, impressive height, superior design, and durability for a truly "Stately" appearance. Designed to display and fly a National, regional, state, or corporate flag in grand style, Trident Support's Stately Flagpole™ will enhance the appearance of central parks, corporate headquarters, city squares, stadiums, or any other architectural centerpiece.



# Commercial & Architectural Flagpoles

Trident Support offers a complete range of Commercial and Architectural Flagpoles and Banner Poles tailored for hotels, retail storefronts, and other commercial properties. In addition to a standard range of Aluminum, Stainless Steel, and Fiberglass (GRP) Flagpoles and Banner Poles, Trident Support proudly offers our own premium line of Prestige™ Flagpoles. Our Prestige™ line of flagpoles are available in standard heights from six to 24 meters, and are assembled to exacting standards in our Dubai facility from the finest quality components from the U.S. and throughout the world.

# Flags & Banners

Big flagpoles require big flags, and Trident Support has the experience and knowledge to manufacture massive flags designed to fly in the harshest environments under extreme conditions. Trident Support uses the highest quality flag fabrics available in the world today which are stitched together using heavy duty industrial sewing machines and techniques in our own facility in Dubai. Our years of experience in flying massive flags on world record flagpoles has enabled us to create the heaviest duty, longest lasting flags on the market. We proudly make our flags in a variety of sizes, from standard sizes for commercial flagpoles, up to "massive" sizes for our Monumental Flagpoles.™



# Design | Manufacture | Installation | Maintenance

From design to final assembly and lifecycle maintenance, Trident Support offers complete solutions for your flagpole needs



Trident Support doesn't just sell flagpoles. We install and maintain them as well, offering a full service solution for your flagpole requirements. Whether your flagpole is a standard commercial pole installed at ground level, a large flagpole installed on the rooftop of a building, or a world record Monumental Flagpole™ installed anywhere on the globe, Trident Support's technical installation crew has the experience and skill sets to get the job done efficiently and safely.

Prior to any sale, Trident Support offers our clients free consultative advice on recommended flagpole heights, materials, finishes, and mounting techniques which are suitable for the desired locations. Flag etiquette and appropriate flag sizes are also taken into consideration when consulting with our client's demands.





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# Capabilities and Relevant Experience

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## Introduction

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Trident Support specializes in Flagpoles. We have the distinction of having built 10 of the World's tallest flagpoles, including five recognized by Guinness World Records®. In fact, we have built and erected more flagpoles taller than 100 meters than all the other flagpole companies in the world combined!

We have developed our own line of Flagpoles, including our world record Monumental Flagpoles™, (exceeding 100 meters tall), our Stately Flagpoles™ (from 26-100 meters), and our range of high quality architectural flagpoles, our Prestige Flagpole™ Line. Trident Support has been selected as the vendor of choice for many prestigious and world-class flagpole projects both in the UAE for various governmental and commercial entities, and throughout the world.

## 1.0 Executive Summary – Background, Capabilities, Experience

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Trident Support was founded in 1996, and was established as a California (USA) corporation in 1999. We started specializing in Flags and Flagpoles with our design and erection of the 123m Abu Dhabi Flagpole (on the Corniche Breakwater) in 2001, and established an office in the Jebel Ali Free Zone in 2002. To better provide service to the local market, we established Trident Support Flagpoles LLC in 2014, located in Dubai Investments Park.

Since our inception and specialization in Monumental Flagpoles™, we have completed a number of highly prestigious projects throughout the world including world record flagpoles in the United Arab Emirates, Jordan, Turkmenistan, Azerbaijan, and Tajikistan. We have also built the tallest flagpoles in Africa (South Africa and Angola), the tallest flagpole in India, the world's first obelisk shaped flagpole, and have flown the largest flag ever flown on a flagpole.

Our Core Capabilities and Experienced can be summarized as:

1. Complete Flagpole Designs
2. Foundation Civil Works Designs and Installation
3. Flagpole Fabrication
4. Flagpole Transport and Logistics
5. Flagpole Erection Services
6. Flagpole Operation and Maintenance Services
7. Flag Manufacturing and Supply
8. Flag and Flagpole Special Events

**The following pages contain photos and information of past prestigious flagpole projects carried out by Trident Support Flagpoles.**











In 2012 we completed the design, assembly and erection of a 123 meter flagpole for the Government of Sharjah (Shurooq) at Flag Island. The Flag Island Project was also classified as “Fast Track” and we successfully completed the project within 75 days from contract to commissioning.



Trident Support was the specialty flagpole supplier for the UAE Ministry of Public Works, completing the fast track project to erect four 120 meter Monumental Flagpoles™ in Ajman, Ras Al Khaimah, Umm Al Quwain, and Fujairah in time for the UAE National Day on 2 December 2013 and 2014. At the same time, we also erected four 75 meter flagpoles for Shurooq in the cities of Al Dhaid, Dibba Al Hisn, Khorfakkan, and Kalba, all of which were completed in time for opening ceremonies conducted for National Day 2013.









## Yas Marina Circuit – Abu Dhabi Formula 1

Trident Support Flagpoles has been associated with the Abu Dhabi Formula 1™ Event since its inception, having erected the flagpoles on each of the Yas Marina Circuit's grandstands, HQ Building, and Shams Tower. We continue to provide Yas Marina Circuit our services as the sole specialty contractor for the F1 race week for the last 10 years.





## Other Unique & Prestigious Flagpole Projects

Trident Support has been selected as the flagpole supplier for a number of other highly prestigious UAE projects and locations, including government buildings and royal palaces, and high VIP locations throughout the World.

**UAE Ministry of Foreign Affairs 25m**



**Qatar Royal Diwan 25m**



**Emirates Palace Hotel 40m**



**Abu Dhabi Beach Palace 40m**



## Monumental and Stately Flagpoles Built by Trident Support Flagpoles:

Flagpole Location	Overall Height (meters)	Remarks
Dushanbe, Tajikistan	165	Recognized World Record – 2011
Ashgabat, Turkmenistan	133	Recognized World Record – 2008
Aqaba, Jordan	132	Recognized World Record – 2004
Amman, Jordan	127	Recognized World Record – 2003
Abu Dhabi, UAE	123	Recognized World Record – 2001
Sharjah, Flag Island, UAE	123	Erected 2012
Ras Al Khaimah, UAE	120	Erected 2013
Ajman, UAE	120	Erected 2013
Umm Al Quwain, UAE	120	Erected 2014
Fujairah, UAE	120	Erected 2014
Awaza, Turkmenistan	100	Erected 2014
Mary, Turkmenistan	100	Erected 2015
Karachi, Pakistan	100	Under Construction as of Aug 2018
NMC Royal Hospital, Abu Dhabi	86	Erected 2017
Al Dhaid, Sharjah	75	Sharjah Investments Authority - 2013
Kalba, Sharjah	75	Sharjah Investments Authority - 2013
Dibba Al Hisn, Sharjah	75	Sharjah Investments Authority - 2013
Khorfakkan, Sharjah	75	Sharjah Investments Authority - 2013
Luanda, Angola, Africa	75	Tallest Flagpole in Africa - 2010
Zayed Military City GHQ	70	Second Tallest Flagpole in Abu Dhabi Emirate – erected 2012
ADNOC Housing Ruwais	60	Under Construction as of Aug 2018
Port Elizabeth, South Africa	60	2010 FIFA World Cup
Meraas, La Mer Beach Flagpole	50	First Obelisk Shape Flagpole in the World - 2017

<b>Flagpole Location</b>	<b>Overall Height (meters)</b>	<b>Remarks</b>
Madinat Zayed	50	Baynunah Academic Complex
Damac Hills, Dubai	50	Damac Properties
Emirates Palace Hotel, Abu Dhabi	40	Sheikh Mansour bin Zayed Al Nahyan
Sheikh Mansour Beach Palace, Abu Dhabi	40	Minister of Presidential Affairs
Liwa, Abu Dhabi	40	Abu Dhabi Gas Industries (GASCO)
Madinat Zayed, Abu Dhabi	40	Abu Dhabi Gas Industries (GASCO)
Sila, Abu Dhabi	40	Abu Dhabi Gas Industries (GASCO)
Delma Island, Abu Dhabi	40	Abu Dhabi Gas Industries (GASCO)
Ghiathi, Abu Dhabi	40	Abu Dhabi Gas Industries (GASCO)
Bida Matawai, Abu Dhabi	40	Abu Dhabi Gas Industries (GASCO)
Mirfa, Abu Dhabi	40	Abu Dhabi Gas Industries (GASCO)
Amman, Jordan	40	Al Quods College
Abu Dhabi, UAE	40	Abu Dhabi Vocational & Educ. Tech Inst.
Umm Al Quwain	35	Secondary Technical University
Al Ain	35	Zayed Military College
Sharjah Technical School Baniyas	35	STS
Sharjah Technical School Ajman	35	STS
Sharjah Technical School Sharjah	35	STS
Al Ruwais Refinery	33	Abu Dhabi Gas Industries (GASCO)
Abu Dhabi	30	Crown Prince Court Abu Dhabi
Dubai	26	Meraas Holdings Headquarters
Dubai	25	Private Company

Flagpole Location	Overall Height (meters)	Remarks
Dubai	25	American University Dubai
Lithuania	25 (3nos)	Energy Company
Meraas Headquarters (Satwa – Dubai)	26	Meraas
Dubai Parks and Resort HQ	18	Meraas Holdings Project

### Dedicated Flagpole Specialists

As flagpole specialists, this is the focus of what we do. We know what works and what doesn't in incorporating the various components necessary to turn a structure

into an architectural monument and a finished flagpole. That is what sets us apart from fabricators or other non-specialized steel contractors. The systems we integrate in our design work seamlessly together, based on our many years of experience in the specialized flagpole industry. As such, we have designed and developed many of our own critical components. One such example is our exclusive and unique rotating truck and cap assembly. This system incorporates the critical



Flagpole Rotating Truck and Cap Assembly

mechanism to allow the flag to be raised and lowered and to rotate fully around the pole on Monumental Flagpoles™, while also incorporating the intricate requirements of the aircraft warning light system and other electrical components at the top of the flagpole, while also allowing specialized access to the top of the flagpole for critical maintenance. This proprietary system is available only through Trident Support and is the first of its kind on flagpoles taller than 100 meters. It is “tried, true, and tested” and is fully operational in a number of our Monumental Flagpoles™ here in the UAE.

## **Operations & Maintenance Support**

Trident Support offers comprehensive ongoing Operation and Maintenance Support for all of our Stately and Monumental Flagpoles. This includes complete flag operations, regularly scheduled Planned Preventative Maintenance, Corrective Maintenance, Special Event Planning and Execution, and Emergency Flag Raising or Lowering Services. Our team is on call 24/7, 365 days a year.

Here is a list of just some of the key Operations & Maintenance Contracts in place now with Trident Support Flagpoles:

1. Sharjah Flag Island Flagpole 123m (ongoing since 2013 to present)
2. Ras Al Khaimah Flagpole 120m (ongoing since 2014 to present)
3. Umm Al Quwain Flagpole 120m (ongoing since 2015 to present)
4. Ajman Flagpole 120m (ongoing since 2014 to present)
5. Fujairah Flagpole 120m (ongoing since 2015 to present)
6. Al Dhaid Flagpole 75m (ongoing since 2014 to present)
7. Khorfakkan Flagpole 75m (ongoing since 2014 to present)
8. Kalba Flagpole 75m (ongoing since 2014 to present)
9. Dibba Al Hisn 75m (ongoing since 2014 to present)
10. La Mer Beach 50m (ongoing since 2017 to present)
11. Damac Hills 50m (ongoing since 2017 to present)
12. Dubai Parks Headquarters 18m (ongoing since 2016 to present)
13. Yas Marina Circuit F1 Track (ongoing since 2009 to present)
14. NMC Royal Hospital Khalifah City (ongoing since 2017 to present)

## **Major Overhaul and Repair Services**

Trident Support's highly specialized and trained crew has decades of experience with solving technical challenges with aging flagpole systems. From mounting replacement flagpoles on tall buildings, removing and replacing large sections of flagpoles at very high heights, or complete refurbishment of any height flagpole. Short list Examples of similar work carried out in the past:

1. Relocation of 70m Flagpole from UAE Armed Forces Headquarters to Zayed Military City.
2. Replacement of top 10m of 123m Abu Dhabi Flagpole and replacement of truck assembly with new generation rotating truck and insertion of new ladders.
3. Replacement of top of Dubai Flagpole Truck Assembly
4. Replacement of top Bahrain 100m Flagpole Truck Assembly
5. Replacement of top of Amman Jordan 123m Flagpole
6. Replacement of flange bolts in Ashgabat Turkmenistan Flagpole
7. Removal of 100m flagpole (Built by Others) and replacement with TSF 100m flagpole in Turkmenbashi, Turkmenistan
8. Replacement of 26m Stainless Steel Flagpole on top of Ministry of Foreign Affairs
9. Replacement of 25m Aluminum Flagpole on top of Royal Diwan in Bahrain

10. Replacement of 20m Steel Flagpole on top of GHQ Armed Forces rooftop.
11. Replacement of Aviation Warning Lights on 75m flagpoles in Al Dhaid, Kalba, and Khorfakkan to newer generation LED lights.
12. Replacement of truck assemblies on top of Jumeirah Beach Hotel Flagpoles



