

25.07.2023

THE POWER OF TÜRKİYE, BMC POWER, IS WAITING FOR ITS VISITORS AT IDEF 2023 WITH ITS POWER GROUPS DEVELOPED WITH DOMESTIC AND NATIONAL FACILITIES

**IDEF'23, 16th International Defence Industry Fair
July 25th – 28th, 2023, Istanbul, TÜYAP Fair Center**

BMC Power, which was established in March 2017 to develop power groups, one of the most important strategic goals of our country, with domestic and national capabilities, will exhibit its engines and transmissions developed and produced by 100% Turkish engineers as a result of intensive R&D studies at the IDEF 2023 16th International Defence Industry Fair.

BMC Power will present its 4-cylinder 400 HP TUNA engine, which is produced with domestic and national facilities and recently shipped and integrated into the Multi-Purpose Armored Vehicle VURAN 4x4, its 6-cylinder 600 HP AZRA engine developed for APCs and military tractors, and its 8-cylinder 1000 HP UTKU engine and transmission developed for tracked light armored combat vehicles up to 45 tons and the FIRTINA Howitzer at IDEF'23.

BMC POWER IS TO UNVEIL AZRA, MARINE ENGINE, AT IDEF 2023 FOR THE FIRST TIME

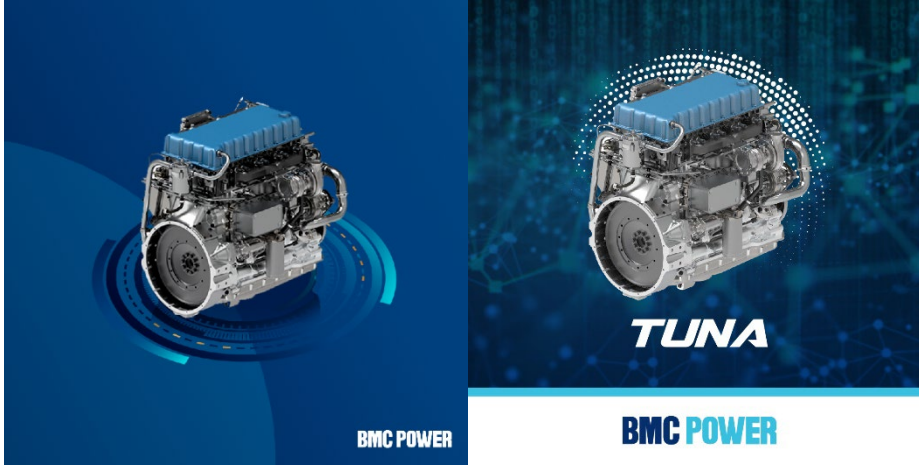
Marine engine AZRA developed for marine vessels by BMC Power, with its marine version, will meet visitors at IDEF 2023 for the first time.

Marine engine AZRA with in-line type 6-cylinder and 4-stroke diesel engine technology has a turbocharging and air cooling aspiration system with a volume of 12 liters. With its common rail injection type and water-cooled structure, marine engine AZRA will close an important gap in the sector at the command of the blue homeland.

BMC Power will sign important strategic projects with the signing ceremonies to be held at the IDEF Fair. The Power Pack Mass Production Project BATU between BMC Power and BMC, the First Domestic Motorized Generator Development Project with İŞBİR Elektrik, the Electric Motor and Alternator Development Project for Hybrid and Electric Vehicles with WAT Electric Motors, the Hybrid Power Pack Development Project for 20 Ton and Above Tracked Armored Vehicles with FNSS, and the Engine Line Autonomous Quality Control System with Radarsan will be signed at ceremonies to be held.

PRESS RELEASE

ABOUT EXHIBITS AT IDEF 2023



TUNA (I4) ENGINE

TUNA, diesel engine, has 400 horsepower with its 4-cylinder structure. On February 2, 2023, at a ceremony held at BMC Arifiye Facilities, BMC Power made the first deliveries of the TUNA engine, which was integrated into BMC's Multi-Purpose Armored Vehicle VURAN 4x4, becoming the first mass-produced domestic and national engine for land vehicles in the Turkish Armed Forces inventory.

- 400BG Engine Power, I Type 4-Cylinder, 8.4 L Engine Volume
- All tests have been completed in the test chambers.
- NATO AEP-5 endurance test was completed.
- Tests on VURAN vehicles were completed.
- The first shipment of mass production was realized.

BMC POWER MOTOR VE KONTROL TEKNOLOJİLERİ A.Ş.

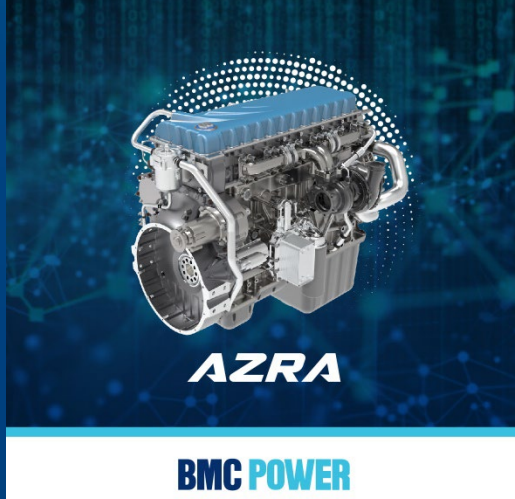
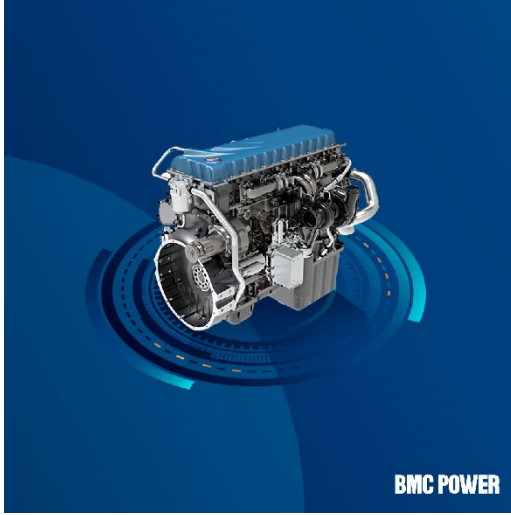
HEADQUARTERS

Teknopark İstanbul 9A Blok Kat:6 Pendik / İstanbul

T : +90 (216) 251 28 00

E-mail : info@bmcpower.com.tr

PRESS RELEASE



AZRA (I6) ENGINE

BMC Power's in-line 6-cylinder 600 horsepower, 12.8 liter engine is designed for use in AZRA, APC and tow trucks. After successful road tests, AZRA was successfully integrated with BMC's ALTUĞ 8x8 APC and military tow trucks. Within the scope of GEN-2 studies, AZRA is currently under development for the Tank Carrier Vehicle.

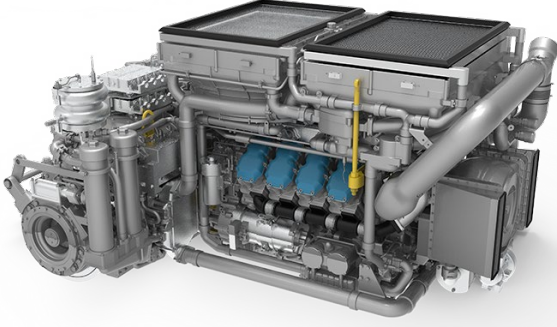
Further, BMC Power will exhibit for the first time at IDEF 2023 the AZRA marine engine version, which was developed as a result of intensive R&D efforts to meet the engine needs of our country for marine vessels.

- 600BG Engine Power, I Type 6-Cylinder, 12.8 L Engine Volume
- GEN-1
 - The critical design phase has been completed.
 - The vehicle has traveled 5500 kilometers.
 - NATO AEP-5, 400 hour test was completed.
- GEN-2
 - Development studies have been initiated.

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UTKU POWER GROUP

Designed by BMC Power as a result of intensive R&D studies, the UTKU Power Group is being developed for tracked light armored combat vehicles up to 45 tons and the FIRTINA Howitzer. UTKU, which is the first 1000 horsepower engine and the first cross-drive steering transmission, was first operated in 2021.

- 6+2 Cross Drive Steering Transmission
- V8 Engine
- 1000BG Engine Power, V Type 8 Cylinder, 18.25 L Engine Volume, 6 forward/2 reverse Gears
- It is a development project carried out with the Presidency of Defence Industries. Integration studies are being carried out for Firtına and YHZA.
- The engine and transmission were operated for the first time.
- Prototype productions were made.
- First Power Group prototype studies have started.

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