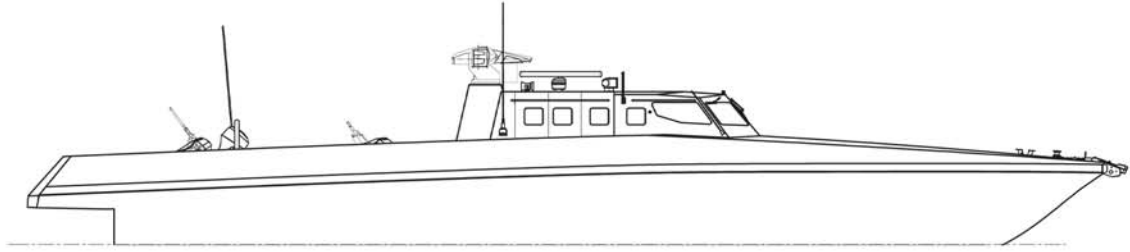


ONUUK MRTP24 SOC®

“KAAN 24” CLASS SPECIAL OPERATION CRAFT (SOC)



THE 26 METER “SPECIAL OPERATION CRAFT”

DESIGNED TO BE THE ULTIMATE SPECIAL OPERATION / SEAL CRAFT, THE ADVANCED COMPOSITE ONUUK MRTP24 SOC BUILT ON THE KO-048 HULL TANK TESTED TO 72 KNOTS, IS THE FOURTH GENERATION OF THE ONUUK MRTP SERIES. TARGETING TO EXCEED THE INCREASINGLY TOUGH REQUIREMENTS OF THE SPECIAL FORCES AND SEAL TEAMS OPERATING IN HOSTILE ENVIRONMENTS, THE ONUUK MRTP24 SOC CARRIES A SUBSTANTIAL FIREPOWER AND COMBINES SPEED, SEA KEEPING, AND LOAD CARRYING CAPABILITY WITH A WELL PROVEN ROBUST STRUCTURE DESIGNED FOR AN EXTREME PROFESSIONAL USE.

WITH ITS HIGH SPEED, SUPERIOR SEA KEEPING, EXTENDED RANGE, SOPHISTICATED AND EXTENSIVE WEAPON/SYSTEMS, THE ONUUK MRTP24 SOC IS AN OPERATIONALLY PROVEN, STATE-OF-THE-ART SPECIAL OPERATION CRAFT.

WITH THE STANDARD ENGINES DRIVING THROUGH MJP WATERJETS, THE ONUUK MRTP24 SOC CAN HAVE A TOP SPEED ABOVE 50 KNOTS AT SEA STATE 3, ALL IN PERFECT STABILITY WITH VERY STRONG EMPHASIS ON CREW COMFORT. THE VESSELS ARE BUILT AS PER THE DET NORSKE VERITAS (DNV) HIGH SPEED LIGHT CRAFT AND NAVAL SURFACE CRAFT RULES FOR CLASSIFICATION.

AS ALL ONUUK MRTP PLATFORMS, THE ADVANCED MACHINERY SYSTEMS AND ARRANGEMENT RESULT IN A VESSEL WITH GREATLY ENHANCED OPERABILITY, MAINTAINABILITY AND ACCOMMODATION STANDARDS.

PRIMARY ROLES

- SPECIAL OPERATION / SEAL CRAFT
- ANTI-TERRORIST PROTECTION OF THE COASTAL AND OFFSHORE INSTALLATIONS
- PATROL / ESCORT CRAFT
- SEARCH AND RESCUE
- SURVEILLANCE
- SEAL INSERTION / EXTRACTION
- LIFT SUPPORT (HARDWARE/SWIMMERS)
- SUPPORT ORDNANCE – DISPOSAL – DIVER ASSETS

BACKGROUND

IT IS KNOWN THAT THE ONUUK KO-03 DEEP “V” HULL HAS BEEN THE BASIS OF THE EXCEPTIONAL STRENGTH AND SEA-KEEPING OF THE “KAAN 20” CLASS ONUUK MRTP20 FAST INTERVENTION CRAFT OF THE TURKISH COAST GUARD. TANK TESTED TO 72 KNOTS THE ONUUK KO-048 HULL AND STRUCTURE ARE VERY SUBSTANTIAL IMPROVEMENTS OVER THE WELL PROVEN ONUUK KO-03.

PERFORMANCE

SPEED AND SEA KEEPING:

ONUUK MRTP24 SOC IS ABLE TO PERFORM RAPID REACTION COMPARABLE TO A HELICOPTER AND CAN BE USED IN CONFINED SPOTS OR HEAVY WEATHERS NOT SUITABLE FOR HELICOPTER OPERATIONS.

THE FORESEEN DEVELOPMENTS FOR THE NEXT FIVE YEARS CONCERNING THE ENGINE AND DRIVE SYSTEM TECHNOLOGIES HAVE BEEN TAKEN INTO CONSIDERATION IN THE DESIGN OF ONUUK MRTP24/U.

IN ORDER TO ENHANCE THE MULTI MISSION CAPABILITIES, INCREASED MISSION PAYLOAD AND ACCOMMODATION SPACE/FACILITIES HAVE BEEN PROVIDED.

CONSTRUCTION AND COMPONENTS:

THE VESSEL IS DESIGNED AND BUILT TO DET NORSKE VERITAS (DNV) HSLC CLASSIFICATION RULES. ALL THE BOATS OF THE SERIES ARE DELIVERED WITH THE RELEVANT DNV CLASS CERTIFICATES. THE ONUUK MRTP24/U IS BUILT IN ADVANCED COMPOSITES TO SATISFY THE VERY TOUGH REQUIREMENTS OF AN INTENSIVE PROFESSIONAL USE TOGETHER WITH A LONG SERVICE LIFE. THE BENEFITS OF THE ADVANCED COMPOSITE STRUCTURE ARE:

WEIGHT REDUCTION

- * IMPROVED PERFORMANCE
- * INCREASED PAYLOAD
- * FUEL SAVINGS

CORROSION RESISTANCE

- * LONGER SERVICE LIFE
- * MAINTENANCE SAVINGS

IMPROVED:

- * THREAT AVOIDANCE / DETECTION
- * BALLISTIC PROTECTION

REDUCED SIGNATURES

- * MACHINERY VIBRATION / ACOUSTIC
- * MAGNETIC SIGNATURE
- * HEAT SIGNATURE

THE HULL AND SUPERSTRUCTURE ARE CONSTRUCTED AND OUTFITTED IN ACCORDANCE WITH THE DET NORSKE VERITAS GERMANISCHER LLOYD (DNVGL) HIGH SPEED LIGHT CRAFT AND NAVAL SURFACE CRAFT RULES. A LARGE SHOCK RESISTANT FENDER SYSTEM WILL ENABLE THE ONUUK MRTP24 SOC TO BOARD SAFELY LARGER VESSELS IN ROUGH WATERS.

MACHINERY AND PROPULSION:

THE MECHANICAL COMPONENTS ARE SELECTED WITH THE INTENSIVE PROFESSIONAL USE IN MIND. THEY OFFER A HIGH LEVEL OF RELIABILITY, DESPITE THE EXTREME PERFORMANCE REQUIREMENTS.

IN THE STANDARD CONFIGURATION THE ONUUK MRTP24 SOC IS EQUIPPED WITH THE ALL STAINLESS STEEL STATE-OF-THE-ART MJP WATERJET SYSTEM SIMILAR TO THE ONUUK MRTP24/U SPECIAL OPERATION CRAFT OF THE TURKISH NAVY. THE MJP WATERJET SYSTEM, WITH UNMATCHED EFFICIENCY, IS ACCEPTED TO BE THE KEY OF THE SUPERIOR PERFORMANCE OF THE ONUUK MRTP24 SOC AND IS OFFERING AN OUTSTANDING MANEUVRABILITY. THE SYSTEM PROVED TO BE EXTREMELY ROBUST IN VERY TOUGH CONDITIONS TYPICAL OF AN INTENSE PROFESSIONAL USE. THE HYDRAULIC STEERING SYSTEM CONTROLS THE VECTORED THRUST TO PROVIDE FAST, PRECISE AND VERY EFFICIENT MANEUVRING.

STABILITY: INTACT-DAMAGED:

COMMERCIAL AND TURKISH / NATO NAVAL STANDARDS HAVE BEEN APPLIED TO THE ONUUK MRTP24/U FOR THE INTACT AND DAMAGED STABILITY. ONUUK MRTP24/U MEETS THE TURKISH NAVY AND NATO CRITERIA FOR DAMAGED STABILITY AND WILL REMAIN AFLOAT AND UPRIGHT WITH FLOODING IN ANY SINGLE MAIN COMPARTMENT.

MISSION MODULES

ONUUK MRTP24 CAN BE EQUIPPED WITH VARIOUS MISSION MODULES DEPENDING ON THE CUSTOMER REQUIREMENTS. DESPITE THE SIZE OF THE PLATFORM, THESE MODULES HAVE BEEN INTEGRATED WITH THE MODULARITY AND RE-CONFIGURABILITY OBJECTIVES IN MIND. THUS, THE PLATFORM CAN BE RECONFIGURED WITH DIFFERENT MISSION MODULES, INCREASING DRAMATICALLY THE OPERATIONAL FLEXIBILITY AND REDUCING THE COSTS.

THE FOLLOWING WEAPON AND SURVEILLANCE SYSTEMS COULD BE INSTALLED ON ONUUK MRTP24 SOC

- ASELSAN STOP 25/30MM OR STAMP 12.7MM STABILIZED TURRET BEHIND THE SUPERSTRUCTURE,
- 40MM GRENADE LAUNCHER
- SHORT RANGE MISSILES (SSM): ROKETSAN UMTAS OR THALES LMM
- SURFACE TO AIR MISSILES: STINGER OR IGLA.
- NIGHT VISION FLIR SYSTEM

ONUUK TAŞIT SANAYİ AŞ.

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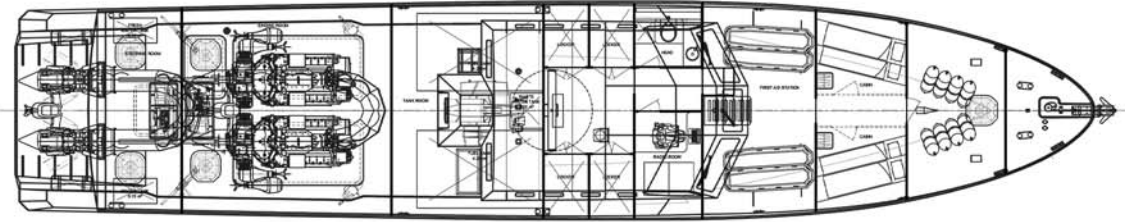
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ONUK MRT P24 SOC®

TECHNICAL CHARACTERISTICS



DIMENSIONS

LOA (INC. PLATFORM)	26.30 M
BEAM, MAX	5.53 M
DRAUGHT (STILL/AT SPEED)	1.40 M

OPERATIONAL CHARACTERISTICS

MAXIMUM SPEED	UP TO 55 KNOTS (DEPENDING ON ENGINE SELECTION/CONFIGURATION)
PROPULSION	DIESELS, 2 X 1630 KW - 2 X 2250 KW
DRIVE SYSTEM	MJP WATERJETS
RANGE (ECONOMICAL SPEED)	450 NAUTICAL MILES
ARMAMENT	ASELSAN STOP 25/30MM OR ASELSAN STAMP 12.7MM
CAPACITIES	
FUEL CAPACITY	8.500 LT
FRESH WATER	600 LT
ENDURANCE	1 DAYS
CREW	UP TO 6
MISSION CREW	UP TO 16 (FULLY EQUIPPED SEALS)
STRUCTURE	ADVANCED COMPOSITES (DNVGL 1A1 HSLC PATROL R3)

ONUK
Competition Développement

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