

TURBOMECA Product Range

WE KEEP YOU FLYING®

The widest range of turboshaft engines for helicopters

From 450 shp to more than 3000 shp



Arrius



Arriel



TM 333



Arrano



Ardiden



MTR390

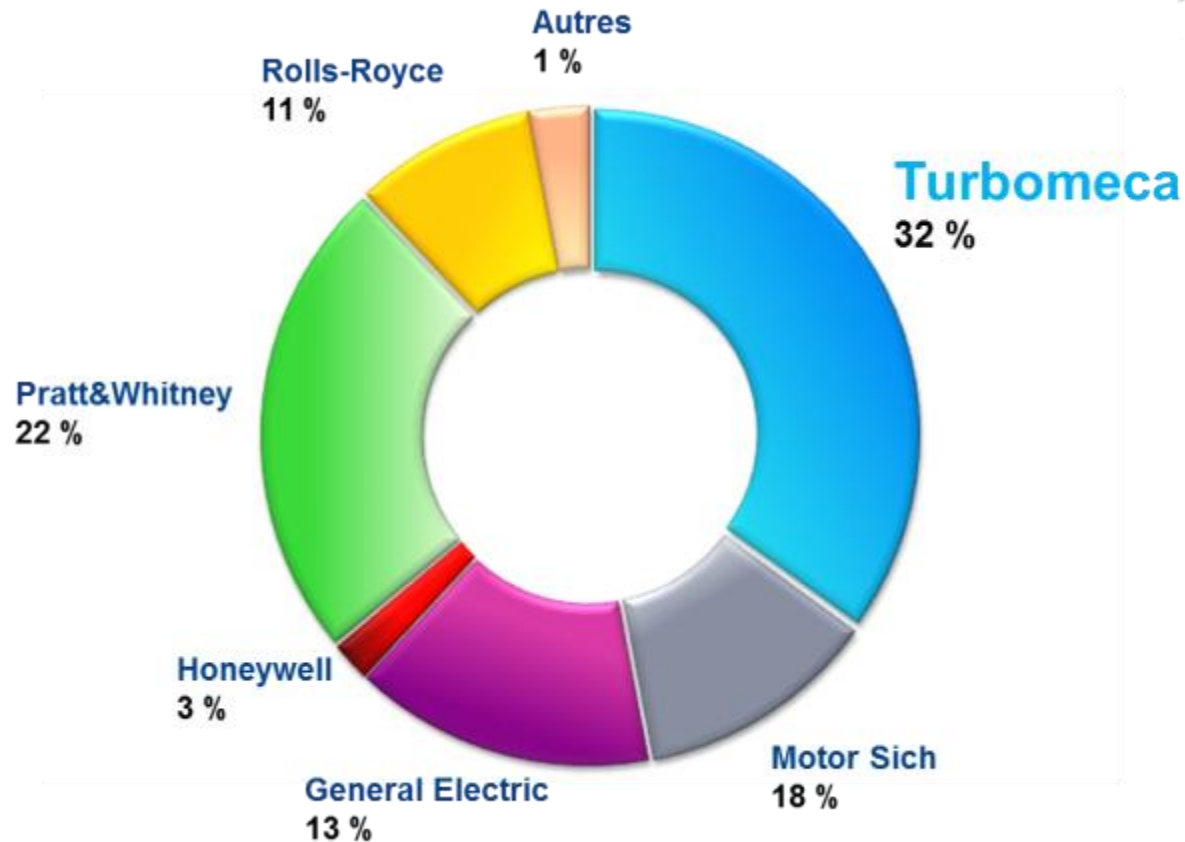


Makila



RTM322

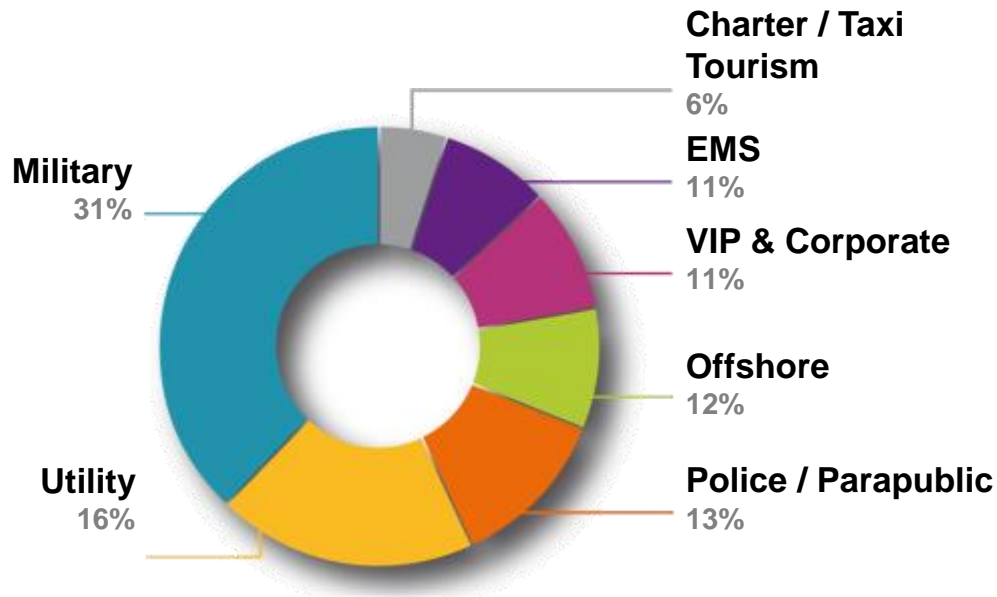
LEADING THE MARKET - Helicopter turbines



Figures 2008-2012, incl. US military (Turbomeca estimation, number of engines)

OUR CUSTOMERS - 2,500 operators around the world

▪ Varying missions



% of Turbomeca engines

▪ Varying fleet size

- **1 to 300** helicopters
- **75%** of our operators have **less than 5** helicopters

THE WIDEST RANGE OF ENGINES

One Turbomeca engine for any a/c application



A 109 Power LUH
2 Arrius 2K2



A 109 Power
2 Arrius 2K1



AS355 NP Ecoureuil / AS555
2 Arrius 1A1/1M



H135
2 Arrius 2K2 Plus



Ka-226T
2 Arrius 2G1



H120 / HC 120
1 Arrius 2F



Bell 505 Jet Ranger X
1 Arrius 2R



Arrius

450-750 shp / From 1.5 to 3.5 tons



AS365 N3+ / AS565 MBe / HH-65 C
2 Arriel 2C / 2N / 2C2C0



H425 / AC312A
2 Arriel 2C



S 76 C+ / S 76 C++
2 Arriel 2S1/2S2



H155
2 Arriel 2C2



A 109 K2
2 Arriel K1



H145 / H145M
2 Arriel 2E



UH-72A
2 Arriel 1E2



H130
1 Arriel 2B1/2D



AC 311
1 Arriel 2B1A



AS350 B2 / H125 / H125M
1 Arriel 1D1/2B1/2D



Arriel

650-950 shp / From 2 to 3 tons



Dhruv
2 TM 333 2B2



Chetan
1 TM 333 2M2



Cheetal
1 TM 333 2M2



TM 333

900-1,100 shp / From 3 to 3 tons



H160
2 Arrano 1A



Arrano

1,100-1,300 shp / From 4 to 5 tons



Tiger HAD
2 MTR390 E



Tiger UHT
2 MTR390 3C



Tiger HAP/ARH
2 MTR390 2C



MTR390

1,250-1,450 shp / From 6 to 7 tons



Dhruv
2 Ardiden 7HT / Shakti



LCH
2 Ardiden 1HT / Shakti



LUH
1 Ardiden 1D / Shakti



Ka-62
2 Ardiden 3G



AC352
2 Ardiden 3C / WZ16



Ardiden

1,400-2,000 shp / From 5 to 8 tons



H225 / H225M
2 Makila 2A1/2B



Roovalk
2 Makila 1K2



AS332 / AS332 Super Puma
2 Makila 1A1/1A2



SA 330 Puma
2 Makila 1A1



Makila

1,800-2,100 shp / From 9 to 12 tons



AW101 Merlin MK1/MK3
3 RTM322



NH90
2 RTM322



WAH-64 Apache
2 RTM322



RTM322

2,100-2,600 shp / From 10 to 15 tons

MILITARY APPLICATIONS



Arrius



Arriel



MTR390



Ardiden



Makila



RTM322

- ✓ *Dual engine*
- ✓ *ITAR free*
- ✓ *Easier resolution*

ARRIUS



- Date of certification
ARRIUS 1: 1983
ARRIUS 2: 1996
- Power
450 to 750 shp
- Turbines delivered
3,000*
- Flight hours
Almost 7,000,000*
- MTOW
1.5 to 3.5 tons

*January 2014



ARRIEL

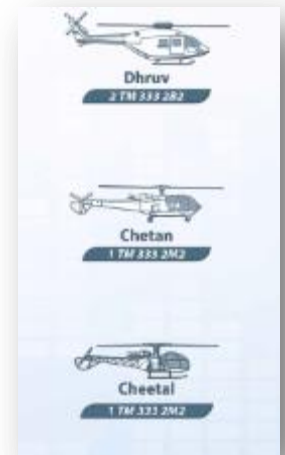


- Date of certification **ARRIEL 1: 1977**
ARRIEL 2: 1997
- Power **650 to 950 shp**
- Turbines delivered **10,700***
- Flight hours **>40,000,000***
- MTOW **2 to 5.5 tons**

*at 31th December 2013



TM333



*January 2014

ARRANO



X4
Eurocopter
2 Arrano

- Date of certification **End 2017**
- Power **1100 to 1200 shp**
- MTOW **2 to 3 tons (single)
4 to 6 tons (twin)**

MTR390



- Date of certification **December 1999**
- Power **1,250 to 1,600 shp**
- Turbines delivered **290***
- Flight hours **110,000***
- MTOW **6 to 7 tons**



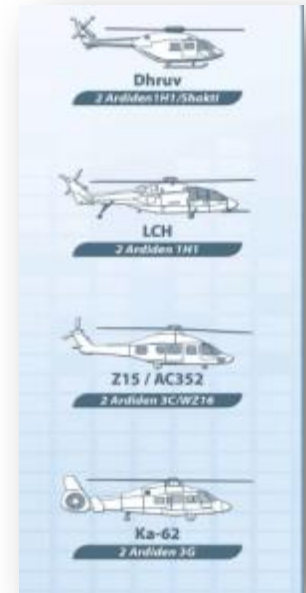
*January 2014

ARDIDEN



- Date of certification **March 2009**
- Power **1,400 to 2,000 shp**
- Turbines delivered **300***
- Flight hours **100,000***
- MTOW **5 to 8 tons**

*January 2014



MAKILA



- Date of certification **MAKILA 1: 1984**
MAKILA 2: 2004
- Power **1,800 to 2,100 shp**
- Turbines delivered **2,500***
- Flight hours **10,000,000***
- MTOW **9 to 12 tons**

*January 2014



RTM322



- Date of certification **1995**
- Power **2,100 to 2,650 shp**
- Turbines delivered **1,000***
- Flight hours **1,000,000***
- MTOW **10 to 16 tons**



*January 2014

OUR CORE VALUES FOR CUSTOMER SATISFACTION.

Safety

Proximity

Reliability

Innovation

WE KEEP YOU FLYING