



# Exercise NOBLE JUMP 2023

NATO Media Information Centre

# PRESS KIT

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# Media Advisory

## ALLIED JOINT FORCE COMMAND NAPLES



11 MAY 2023

### **Joint Allied Powers Demonstration Day Highlight of NATO Exercise Noble Jump 2023 in Sardinia**

On Friday, 12 May 2023, NATO exercise Noble Jump 2023 on the Italian island of Sardinia is reaching its pivotal point with the Joint Allied Powers Demonstration Day (JAPDD) at the Italian Armed Forces Training Area Teulada in the south of Sardinia.

In the last two weeks, some 2,200 soldiers from 7 NATO Nations (Germany, The Netherlands, Norway, Czechia, Luxembourg, Belgium and Latvia) with approximately 500 vehicles of various kinds, have deployed to training areas on Sardinia. They have conducted different kinds of military training both in national formations and in joint operations in conjunction with their NATO allies.

Now, all these training activities will be combined in a complex military scenario in a live fire demonstration showcasing the different abilities NATO can field to jointly defend against a land attack.

Heavy military equipment like Leopard 2 Main Battle Tanks from Germany and Norway, CV 90 Infantry Fighting Vehicles from Norway, Boxer GNGP from the Netherlands and German self-propelled howitzers (known as 'Panzerhaubitze 2000') will cooperate with paratroopers from Czechia and infantry from most of the participating nations.

Among other assets, they will be supported by 'Tiger' Attack Helicopters from Germany as well as German and Luxembourgian surveillance drones. In the exercise scenario, German NH 90 Helicopters will evacuate wounded soldiers from the battlefield.

The troops train as part of the Very High Readiness Joint Task Force (VJTF) which is the spearhead of the NATO Response Force (NRF). The VJTF Land component this year is led by the German Armoured Infantry Brigade 37 from Frankenberg in Saxonia, Germany.

Military and civilian dignitaries from the host nation Italy, NATO and other countries will join the 1 ½ hours long demonstration. Italy will be represented by the Deputy Commander Italian Joint Operations Headquarters, Lieutenant General Nicola Lanza De Cristoforis, Italian Air Force. The highest NATO representative will be the Commander of Allied Joint Force Command Naples, Admiral Stuart B. Munsch, US Navy. Leading the JAPDD will be Brigadier General Alexander Krone, German Army, Commander VJTF (Land). Italian and international Media will cover the event.

The aim of Exercise Noble Jump 2023 is to demonstrate the capabilities and integration of NATO forces from across the Alliance. The exercise directly contributes to NATO's deterrence and defence posture and improves the interoperability, readiness and cohesion of Allied forces. By deploying to Sardinia, the VJTF have demonstrated they can deploy NATO forces in the event of crisis.

#NobleJump23

#VJTF23

JFC Naples Facebook: <https://www.facebook.com/NATOJFCNAPLES>

JFC Naples Twitter: [https://twitter.com/JFC\\_Naples](https://twitter.com/JFC_Naples)

JFC Naples Website: <https://jfcnaples.nato.int/>



# Fact Sheet

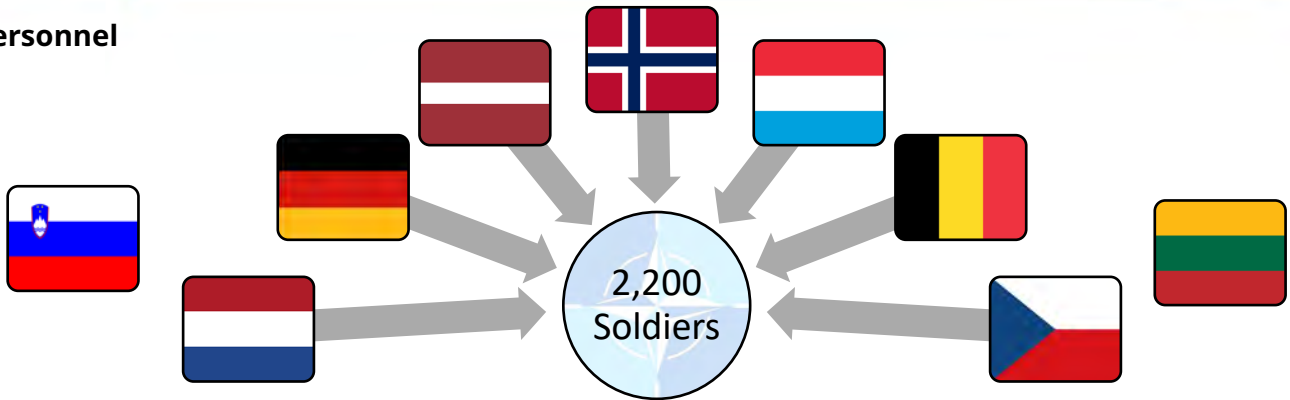
## Noble Jump 2023



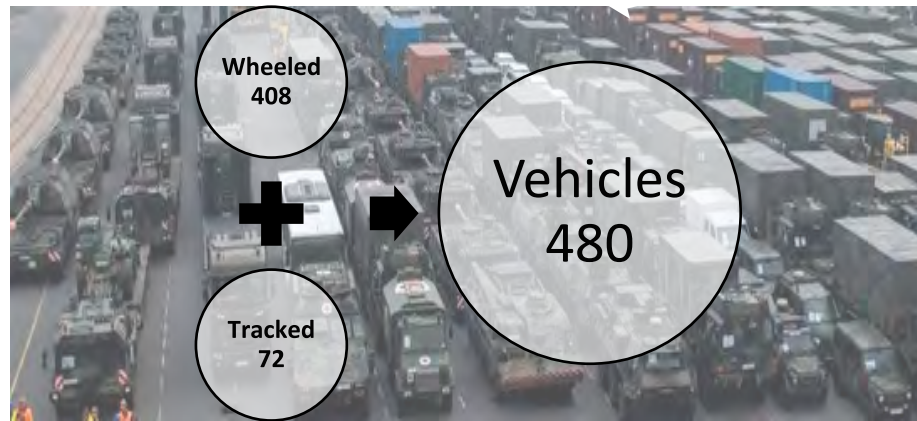
- This year NATO Allied Joint Force Command Naples (JFC Naples) is conducting its Supreme Headquarters Allied Powers Europe (SHAPE)-sponsored, operational and tactical level alert and deploy exercise Noble Jump 2023, in Teulada region, Sardinia, in order to train the NRF.
- The NRF is a technologically advanced, multinational force made up of land, air, maritime and Special Operations Forces components that are rapidly deployable. It provides collective defence and a rapid military response to an emerging crisis. In addition, it can perform peace-support operations, provide protection to critical infrastructure and support disaster relief.
- Approximately 2,200 troops from Allied nations Germany, Norway, Netherlands, Czechia, Belgium, Latvia and Luxembourg has taken part in this exercise in Sardinia
- Command of the NRF rotates annually between the two operational-level NATO headquarters: JFC Naples and JFC Brunssum. JFC Naples will headquarter the NRF for the entirety of 2023.
- Formed in 2002, the NRF provides NATO with a credible, rapidly deployable military option to respond to emerging crisis, underpinning the principle of Collective Defence.
- Noble Jump 2023 is a scheduled operational and tactical level major joint Alert and Deployment Exercise (ALERTEX/DEPLOYEX).
- It will test and train the Very High Readiness Joint Task Force 2023 (VJTF23) under peacetime conditions in planning and conducting an early deployment and employment in a contested environment in the context of an Article 5, Small Joint Operation (SJO) in NATO Strategic Direction South (NSD-S).
- Noble Jump 2023 will accrue additional tactical level training for the deployed forces. Noble Jump 2023 will also be linked to the Joint and Multinational Exercise JOINT STARS 23 (JOST23) scheduled and organized by the Italian Joint Operations HQ (JOHQ).
- This exercise will demonstrate NATO's visible Assurance and NRF's capability to tailor, plan, prepare, deploy and sustain forces.
- Noble Jump 2023 will also demonstrate NRF's ability to provide both assurance and effective deterrence in support of the Alliance.

# Figures

## Personnel



## Vehicles



## Equipment



14 Infantry Fighting Vehicle

6 Mortars

20 main battle tanks

6 Artillery Panzer howitzer 2000

11 Infantry Fighting Vehicle

2 NH-90 Transport

2 Tiger attack helicopter



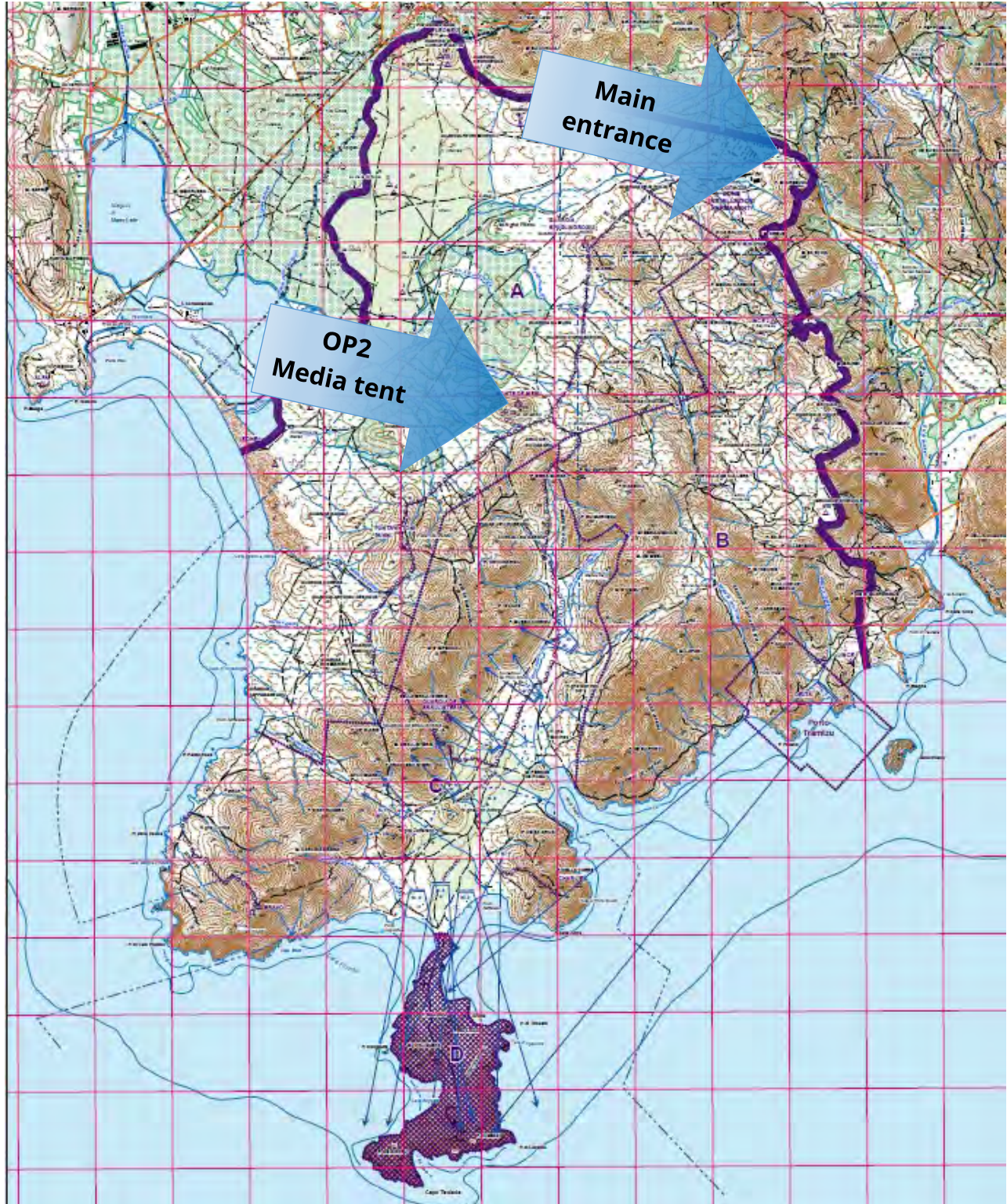
# Visitors Day Schedule



06:15	•Bus Departure Cagliari
08:30	•Bus Arrival in Teulada Barracks
08:40	•Safety Briefing
08:50	•Bus Departure Teulada Barracks for Range
09:05	•Media Setup at Media Viewing Tent
10:00 - 11:30	•Joint Allied Power Demonstration
11:45	•Press Statements / Q&A
12:15 - 13:15	•Static Display
13:30	•Bus Departure Range for Cagliari Airport



# Map Teulada Range





# Biographies



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# Commander Joint Force Command Naples

## Admiral

### Stuart B. Munsch



**Name** Stuart B. Munsch  
**Date of Birth** 1963  
**Family Status** Married, two children



#### Military Career

1985 Graduated from the Naval Academy with a Bachelor of Science in Electrical Engineering

1984 to today Multiple different functions within the United States Navy including four consecutive sea duty assignments, serving on USS Will Rogers (SSBN 659), USS Jefferson City (SSN 759), USS Kitty Hawk (CV 63) on the staff of Commander, Cruiser Destroyer Group 5, and USS Tucson (SSN 770).

1991 Plans and Policy Directorate (J5) prior to becoming deputy executive assistant to the commander, to U.S. Pacific Command  
 Selected for a White House Fellowship and served as special assistant to the Secretary of Agriculture

2002 to 2005 Commander USS Albuquerque (SSN 706)  
 Followed by Military assistant to the Deputy Secretary of Defence, Pentagon  
 Followed by Executive assistant to the Director, Submarine Warfare, Office of the Chief of Naval Operations (OPNAV N87)

2008 to 2010 Commanded Submarine Development Squadron (DEVRON) 5  
 2010 Head the Navy Strategy branch (OPNAV N513), Pentagon  
 Selected for flag rank, reassigned as deputy director, Undersea Warfare (OPNAV N97)

2013 to 2015 Commanded Submarine Group 7 and Task Forces 74 and 54, Japan and Bahrain

Followed by Senior military assistant to the Deputy Secretary of Defence, Pentagon  
 2017 Reported to OPNAV N3/N5

2018 Deputy chief of naval operations for Operations, Plans and Strategy

2019 Established and served as the initial deputy chief of naval operations for Warfighting Development, N7

2020 to 2022 Joint Staff as director for Joint Force Development (J7).

Since 2022 Commander of Allied Joint Force Command, located in Naples, Italy  
 Commander, U.S. Naval Forces Europe and U.S. Naval Forces Africa, including the Baltic, Mediterranean and Black Seas



**Deputy Commander  
ITA Joint Operations HQ  
Lieutenant General  
Nicola Lanza De Cristoforis**



**Name** Nicola Lanza de Cristoforis  
**Date of Birth** 1960  
**Family Status** Married, two children



**Military Career**

1979 Entry into the Italian Airforce

1979 to 1983 Graduate of Air Force Academy, Pozzuoli – Napoli, Italy

1983 Aeronautical Science Degree, cum laude, University of Naples, Italy

1987 NATO School - Oberammergau, Germany and Junior Air War College, Florence, Italy

1990 Pilot, Italian Detachment Al Dhafra Air Base (UAE), ("Desert Shield" and "Desert Storm" )

1991 Instructor Pilot (Tornado), Cottesmore, United Kingdom

1992 Competent to Instruct Course and Flying Instructor on MB339

Including Instructor pilot, flight examiner, safety officer and training liaison officer at RAF Cottesmore (GBR)

1996 Operation and Squadron Commander, 102nd Fighter Sq, 6th Wing - Ghedi – Brescia, Italy

1997 Senior Air War college, Florence, and Joint Staff Course in Rome Italy

2000 Chief of Staff Air Education and Training Division - Pozzuoli - Napoli, Italy

2003 Commander, 6th Wing – Ghedi - Brescia, Italy

Including Defense Resources Management Course, Monterey, California, USA

2005 Air General Staff Personnel Branch: Chief of the Education and Employment Office

2008 Deputy Branch Chief – Rome, Italy

2010 Chief of Air General Staff Personnel Branch – Rome, Italy

2012 Master Degree in Aeronautical Sciences, cum laude, University of Naples

2013 Commander, Air Force Combat Command - Milan, Italy

2015 Commander, 1st Air Region – Milan, Italy

2015 Commander, Italian Air Force Academy, Pozzuoli – Napoli, Italy

2017 Deputy Commander, Italian Joint Operations Headquarters, Rome, Italy

2019 Commander, Italian Joint Operations Headquarters (Pro - Tem), Rome, Italy

2019 Commander, Italian Joint Special Forces Operations, Rome, Italy

Since 2022 Deputy Commander, Italian Joint Operations Headquarters, Rome, Italy



**Commander**  
**1 German Netherlands Corps**  
**Lieutenant General**  
**Nico Tak**



**Name** Nico Tak  
**Date of Birth** 1963  
**Family Status** Married, two children



**Military Career**

1981	Entry into the Royal Netherlands Army
1981 to 1985	Royal Military Academy in Breda, the Netherlands
1985 to 1991	Commanded tank units in 43 Tank Battalion in Langemannshof, Germany
1991 to 1994	Cavalry Training Centre in Amersfoort (NLD)
1994 to 1996	Army Staff College and the General Staff College in the Netherlands
1996 to 1998	G3 Plans in Utrecht Army HQ
1998 to 1999	Master's Degree at King's College, London
Including	Advanced Command and Staff Course 2 in Camberley, GBR, Military assistant to the division commander MND-SW, Bosnia-Herzegovina
2002	Senior policy officer, establish the German-Dutch Army Steering Group
2004	Commander of 42 Tank Battalion, deploying units to Pakistan and Afghanistan
2006	Command the first Dutch Provincial Reconstruction Team, Uruzgan, Afghanistan
2007	US Army War College, second Master's Degree at Penn State University, Pennsylvania
2011	Military Adviser to the Ministry of Foreign Affairs
2013	Special Adviser to the NATO Senior Civilian Representative in Kabul, Afghanistan
2014	Director of the Comprehensive Crisis and Operations Centre at SHAPE in Mons, Belgium
2014 to 2017	Director for Training and Operations of the RNLA, Utrecht (NLD) and co-chaired the German-Dutch Army Steering Group
2017 to 2019	Director for Operational Readiness at the Ministry of Defence in The Hague
Since 2022	Commander of 1 German-Netherlands Corps Chairman of the Cavalry Officers Association Vice chairman of the foundation for the Cavalry Guard of Honour



# Commander VJTF(L) Brigadier General Alexander Krone



**Name** Alexander Krone  
**Date of Birth** 7 December 1970  
**Family Status** Married, two children



## Military Career

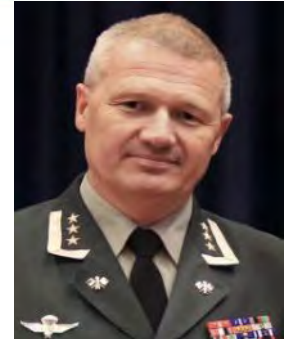
1990 Entry into the Bundeswehr  
1990 to 1992 Armoured Infantry Officer Training  
1992 to 1993 Platoon Leader, Armoured Infantry Battalion 12  
1993 to 1997 Study in Political and Social Sciences, Bundeswehr University Munich  
1997 to 1998 Platoon Leader, Armoured Infantry Battalion 12  
1998 to 1999 Head of Department S6 (IT), Armoured Infantry Battalion 12  
1999 to 2003 Company Commander, Armoured Infantry Battalion 12 Deployment as  
including Company Commander, Kosovo Force (KFOR)  
2003 to 2005 Attendance of the 46th General Staff Officer Course, Bundeswehr  
Command and Staff College in Hamburg  
2005 to 2007 Military Assistant to the Head of Planning Directorate,  
Federal Ministry of Defence  
2007 to 2008 Head of Department G6 (IT), 14th Armoured Infantry Division  
including Deployment as Military Assistant to DCOM/COS,  
multinational Task Force South, Kosovo Force (KFOR)  
2008 to 2009 Attendance of the Command and Staff Course,  
Canadian Forces College in Toronto  
2009 to 2011 General Staff Officer for Army Development, Federal Ministry of Defence  
2011 to 2014 Commander, Armoured Infantry Battalion 122  
2014 to 2015 General Staff Officer for Armed Forces Attractiveness,  
Federal Ministry of Defence  
2015 to 2016 Head of Department for Training Policy Matters, Army Command  
2017 to 2018 Chief of Staff, Rapid Forces Division  
2018 to 2020 Head of Department for Armed Forces Readiness,  
Federal Ministry of Defence  
Since 2020 Commander, Armoured Infantry Brigade 37



# Deputy Commander VTJF (L) Colonel Kjeltil Pettersen



**Name** Kjeltil Wee Pettersen  
**Date of Birth** 10 April 1966  
**Family Status** Married, two children



## Military Career

1984 Entry into the Norwegian Armed Forces  
1984 to today Military education includes the Cavalry officer candidate school, the Military Academy, Army Staff College  
1984 to today Served on all levels in the Norwegian Armed Forces from Defence Staff to operational headquarters, as staff officer for international operations in the Army Staff, as G-6 in the Army High Readiness Brigade, and in Telemark Battalion as part of AMF(L)  
1994 to 1995 Deputy platoon lead and commander of antitank helicopter BO 105 P of the Flying Detachment 161 in Celle  
1994 to 1995 Platoon commander in Bosnia (UNPROFOR)  
1997 to 1998 Tour in Lebanon (UNIFIL)  
1999 to 2000 Tour in Kosovo (KFOR)  
2003 Tour in Iraq (IZ SFOR)  
2005 to 2007 Joint Staff College with a Master degree  
2008 CJ 3/5 in ISAF HQ and first Director of the Joint Planning Operation Center (JPOC) in the Afghan MoD Afghanistan (ISAF)  
2008 to 2009 Director JPOC Afghanistan (ISAF)  
2011 to 2012 Chief of Staff for the Norwegian led PRT in Faryab (ISAF)  
2014 to 2017 NATO SACT in Norfolk Virginia within capability development  
2017 to 2021 Commander of the Reorganization Support Unit and strategy adviser for effective mobilization of Norwegian reserves  
Since 2019 Head of Delegation (HoD) to the NATO National Reserve Forces Committee (NATO NRFC)  
Since 2021 Head of Signals in the Norwegian Army And Norwegian Deputy Commander (NOR DCOM) for VJTF(L)-23 Brigade



**Deputy Commander VTJF (L)**  
**Colonel**  
**Tjeerd Blankestijn**



**Name** Tjeerd Blankestijn  
**Date of Birth** 09 September 1967  
**Family Status** Married, two children



**Military Career**

1986 Entry into the Royal Netherlands Army  
1986 to 1991 Studied Civil Engineering at the Royal Military Academy in Breda  
1991 to 1992 Platoon Leader in the 42nd Brigade Tank Engineer Company in Havelte  
1993 to 1994 Platoon Leader (Logistics) in the 41st Pioneer Battalion in Seedorf (DEU)  
1994 to 1996 Project Manager Infrastructure/Management at the NLD Federal Office for Infrastructure  
1997 to 1999 (Deputy) Company Commander of the 11th Airborne/Assault Brigade Pioneer Company  
Including Deputy Company Commander of the (NLD/BUL) Pioneer Company in Bosnia (SFOR) (1999)  
2000 to 2002 Company Commander of the 43rd Brigade Tank Engineer Company in Havelte  
2002 to 2004 Participant in the General Staff Course at the (NLD) Leadership Academy of the (NLD) Army in The Hague  
2004 to 2006 (The last) Brigade G4 of the 41st Mechanised Brigade in Seedorf (DEU)  
2006 to 2009 Deputy branch head G5 (Plans) 1. German-Netherlands Corps  
Including Branch Head G55 Long-Term Planning at ISAF HQ (2007)  
2009 to 2012 Commander of 101 Engineer Battalion in Wezep  
Including Commander Deployment Element of the (NLD) Integrated Police Mission (Kunduz) and the Air Task Force 16 (Mazar-e-Sharif) 2011  
2012 to 2014 Section Head NATO Policy, International Military Cooperation in the NLD Ministry of Defence in The Hague  
Including Professional Aide-de-Camp to the Inspector General and the Minister for NATO Summits and Meetings.  
2015 to 2018 Deputy Branch Head ACOS G2 (Intelligence) in the I. German-Netherlands Corps in Münster  
2019 to 2020 Division Head at Direction Training & Ops in the Dutch Army Command  
Since 2021 NLD Deputy Commander VJTF-Brigade



**Commander Army Aviation Task Force  
VTJF (L)  
Colonel  
Sönke Schmuck**



**Name** Sönke Schmuck  
**Date of Birth** 12 December 1965  
**Family Status** Married, two children



**Military Career**

1984 Entry into the Bundeswehr  
 1984 to 1991 Multiple studies, courses and training for officer in the Bundeswehr.  
 1992 to 1993 Communications officer and aircraft commander Alouette II in the headquarters detachment of the Army Aviation Regiment 16, information management Officer in the Army Aviation Regiment 16 in Celle  
 1994 to 1995 Deputy platoon lead and commander of antitank helicopter BO 105 P of the Flying Detachment 161 in Celle  
 1996 to 1998 Detachment leader of the headquarters detachment and personnel officer in the Technical Group 162 in Celle  
 1998 to 1999 Course director for the officer cadet training of the Army Aviation Corps at the Army Aviation School in Bückeburg  
 2000 to 2002 Flight leader and flight instructor for antitank helicopters in the Army aviation regiment 26 „Franken“ in Roth  
 2002 to 2003 including Assistant Chief of Staff, Operations and Plans for the combat aviation forces brigade, a deployment with the International Security Assistance Force (ISAF) in Afghanistan  
 2003 to 2006 Assistant Chief of Staff, Logistics, Head of department Combat Aviation Forces Brigade 1 / Airmobile Brigade 1 in Fritzlar  
 2007 to 2008 Head of department for the Army aviation training at the Army Office II 1 (1) in Cologne  
 2008 to 2013 including Commander flying department 261 Attack Helicopter Regiment 26 „Franken“ in Roth – Deployment ISAF in Afghanistan  
 2011 to 2013 Lead head of department and personnel manager 114D in the Personnel Office for the Armed Forces in Cologne  
 2013 to 2014 Expert for air operations in the ground forces in the Army Command I 1 (1) in Koblenz/ Strausberg  
 2014 to 2017 Initiation detachment in the air traffic office of the Armed Forces, Subsequently head of department 3 I c Standardization/Human Factors at the air traffic office of the Armed Forces in Cologne  
 2017 to 2019 Commander Training Group A International Helicopter Training Center in Bückeburg  
 Since 2019 Commander Attack Helicopter Regiment 36 in Fritzlar



# Commander DEU Battle Group VJTF (L)

## Lieutenant Colonel Andy Weißenborn



**Name** Andy Weißenborn  
**Date of Birth** 12 June 1976  
**Family Status** Married, two children



### Military Career

1995 Entry into the Bundeswehr  
1996 to 2003 Armour Officer Training  
Including Study in Economics and Social Sciences, Bundeswehr University Munich  
2003 to 2005 Platoon Leader, Armour Battalion 393  
2005 to 2007 Company Commander, Armour Battalion 383  
Including Deployment as Company Commander for KFOR, Prizren  
2007 to 2008 Instructor, Combat Training Center Gardelegen  
2008 to 2010 Company Commander, Armoured Reconnaissance Battalion 13  
Including Deployment as Company Commander for ISAF, Feyzabad  
2010 Spanish Language Training, Hürth  
2011 General Staff Course, Academia Guerra in Santiago de Chile  
2012 to 2013 Personnel Staff Officer, Signal Department 93 Daun  
2013 to 2015 Personnel Staff Officer, Army Training Command Leipzig  
2015 to 2017 DCOM of Armour Battalion 393, Bad Frankenhausen  
Including Deployment as Staff Officer for RS, Afghanistan  
2017 to 2020 Personnel Staff Officer, German Delegation in Harefield Middx (GBR)  
Since 2020 Commander of Armour Battalion 393, Bad Frankenhausen





**Commander NLD/LTU Battle Group VJTF (L)**  
**Lieutenant Colonel**  
**Niels Verhoef**



**Name** Niels Verhoef  
**Date of Birth** 9 January 1981  
**Family Status** Married, three children



**Military Career**

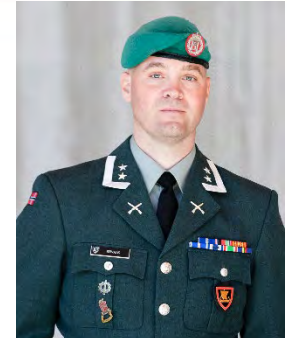
1999 Entry into the Royal Netherlands Army  
1999 Royal Military Academy, Breda  
2003 to 2008 Multiple positions as Infantry officer, including platoon commander, second-in-command of an infantry company and company commander. Deployed to Afghanistan  
Including  
2008 to 2010 Instructor at Royal Military Academy, preparing future officers for the Royal Netherlands Army and the Royal Netherlands Air Force.  
2010 to 2013 Company Commander, Armoured Infantry Company CV90  
2013 to 2016 Staff officer for land operations within the Directorate of Plans, Defence Staff in The Hague  
2016 to 2018 The Advanced Command and Staff Course at the GBR Defence Academy and graduated as a Master in Defence Studies at King's College London  
Followed by Exchange officer in the position of Staff Officer for Concepts within the Directorate of Capability at British Army Headquarters, contributing to the design of the British Army's conceptual force  
2018 to 2022 Posted as Chief G5 (Plans) with 13 Light Armoured Brigade  
Since 2022 Commander of 17 Armoured Infantry Battalion "Prinses Irene" Fusilier Guards Regiment.  
Including Commander of 17 Multinational Battlegroup and Commander Spearhead battalion, part of VJTF-(L)



# Commander NOR Battle Group VJTF (L) Lieutenant Colonel Brage Reinaas



**Name** Brage Reinaas  
**Date of Birth** 1982  
**Family Status** Married, two children



## Military Career

2001 Entry into the Norwegian Armed Forces  
Squad leader at Engineer Battalion/ Bde North

2003 to 2004 Squad leader, Kosovo

2006 to 2009 Krigsskolen of the Norwegian Armed Forces

2009 to 2011 Platoon leader, 2. Battalion/Bde North

2009 to 2013 Platoon leader, Telemark Battalion/Bde North  
Including Deployment to Afghanistan

2013 to 2015 Assistant S-3  
Including Latvia with Telemark Battalion's Task Force Viking

2015 to 2016 Company 2IC

2016 to 2018 Company Commander  
Including Deployment to Lithuania, awarded the Lithuanian Armed Forces Medal of Distinction

2018 to 2019 S-3 for Telemark Battalion

2019 to 2020 Graduate as a distinguished graduate and with a master's degree,  
USMC Staff and Command Collage

2020 to 2022 Maneuver Warfare School as head of tactics in the Norwegian Army

Since 2022 Commanding officer of Telemark Battalion

# LEOPARD 2 A7V



## ARMAMENT

- 1x 120 mm smooth-bore cannon (main)
- 2x 7.62 mm machine guns (secondary)



## WEIGHT

**66.5 t**



## CREW

**4**



## WEAPON RANGE

**5,000 m**



## DRIVING RANGE

**500 km**



## SPEED

**61 km/h**

The LEOPARD 2 A7V main battle tank is able to effectively engage any kind of land-based opponent it might face on the modern battlefield. It is capable of doing so in difficult terrain and low-visibility conditions.

Its enormous firepower, great speed and heavy armour allow the LEOPARD 2 A7V to deliver crucial effects in dynamic combat situations. Main battle tanks fight best shoulder to shoulder with armoured infantry.



# LEOPARD 2 A4NO



ARMAMENT

■ **120 mm  
smoothbore  
cannon**



WEIGHT

**55 t**



CREW

**4**



WEAPON RANGE

**2,000 m**



DRIVING RANGE

**280 km**



SPEED

**72 km/h**

**Main battle tank**



# PzH 2000



## ARMAMENT

- L52 155 mm artillery gun (main)
- MG3 7.62 mm machine gun (sec.)



## WEIGHT

57 t



## CREW

3-5



## WEAPON RANGE

30-56 km



## DRIVING RANGE

420 km



## SPEED

60 km/h

The PzH 2000 is one of the most modern and advanced all-terrain self-propelled guns and is in use by nine different nations. Its 155 mm projectiles provide indirect fire support during day and night. A combat load of 60 rounds per howitzer and several employment

options facilitate the support of land forces operations against any target. For self-defence, it is equipped with a 7.62 mm machine gun and its L52 155 mm main gun is capable of engaging targets with direct fire from a distance of up to 2 km.



# CV9030 IFV



ARMAMENT

- 30 mm autocannon
- Remote weapon station



WEIGHT

**33 t**



CREW

**11**  
**(3+8)**



WEAPON RANGE

**2,000 m**



DRIVING RANGE

**600 km**



SPEED

**70 km/h**

## INFANTRY FIGHTING VEHICLE

- 8 infantry dismounts
- AT (Javelin, Carl Gustaf, M72)
- RWS - 12.7 mm HMG or 40 mm AGL



# CV90RWS CEV



ARMAMENT

- Remote weapon station w/ 12.7 mm HMG



WEIGHT

28 t



CREW

8

(3+5)



WEAPON RANGE

2,200 m



DRIVING RANGE

600 km



SPEED

60 km/h

## COMBAT ENGINEER VEHICLE

- 5 combat engineer dismounts
- Mine plough or mine roller



# CV90RWS CMV



ARMAMENT

- 81 mm semi-automatic mortar
- Remote weapon station w/12.7 mm HMG



CREW

4



WEAPON RANGE

**2,200 m**



WEIGHT

**28 t**



DRIVING RANGE

**600 km**



SPEED

**60 km/h**

## COMBAT ENGINEER VEHICLE

- 81 mm semi-automatic mortar in combat compartment





# WISENT2 AEV



ARMAMENT

- Remote weapon station w/ 12.7 mm HMG



WEIGHT

62 t



CREW

3



WEAPON RANGE

2,200 m



DRIVING RANGE

300 km

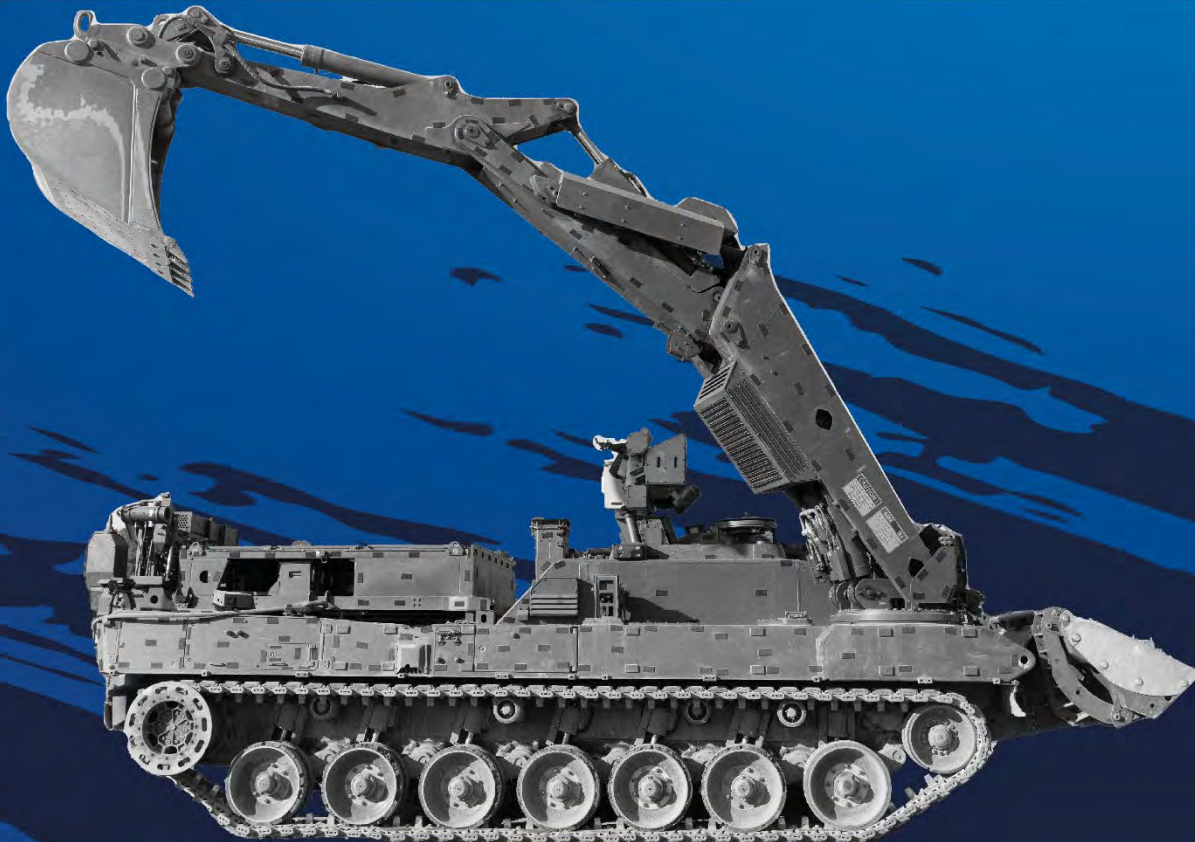


SPEED

60 km/h

## ARMOURED ENGINEER VEHICLE

- Mine plough
- Dozer blade
- Excavator



# TIGER AH



## ARMAMENT

- 4x T-missiles (ATGM)
- 400 rounds, .50 cal.
- 19x 2.75 in rockets (HE)
- 2x STINGER (AAM)



## ENGINE POWER

**2x 972 kW  
(1,300 shp)**



## CREW

**2**



## SERVICE CEILING

**max. 10,000 ft  
(4,000 m)**



## SPEED

**120 kts  
(max. 145 kts)**



## ENDURANCE

**2.5 hours**



## RANGE

**120 NM  
(incl. 30 min TOT)  
(450 NM for transfer)**



## PAYLOAD

**max 6.1 t**

The TIGER AH is an all-composite all-weather capable attack helicopter usually employed as an integrated manoeuvre unit to support the intention of the ground force commander.

## POSSIBLE MISSIONS NRF (L):

- Attack
- Arty call for fire
- Reconnaissance & tactical security



# NH90



ARMAMENT

**none**



ENGINE POWER

**2x 2,500 hp**



CREW

**3**



SERVICE CEILING

**14,000 ft**



SPEED

**295 km/h**



ENDURANCE

**4.5 hours**



RANGE

**1,300 km**



PAYLOAD

**2,000 kg**

The NH-90 multi-purpose helicopter is an all-weather, night-flight-capable transport helicopter. The NH-90 TTH (Tactical Transport Helicopter) variant for land-based

and amphibious operations of the army can carry heavy loads, technical material and up to 16 PAX. Dropoff and pickup is possible over land and water.



# LUNA



ARMAMENT

**none**



ENGINE POWER

**2-stroke  
boxer engine (8 hp)**



CREW

**none**



FLIGHT ENVELOPE

**150 m AGL-  
4,000 m MSL**



SPEED

**75 km/h  
+/- 10 km/h**



ENDURANCE

**4-5 hours**



RANGE

**80 km**



PAYLOAD

**max. 40 kg**

The LUNA UAS is a lightweight, easy-to-operate reconnaissance system for real-time, close-range aerial reconnaissance and surveillance using video, infrared film and still images during day and night. Real-time aerial reconnaissance enhances reconnaissance performance and thus enables own forces to quickly react to reconnaissance results.



# X-300 INTEGRATOR



ARMAMENT

**none**



ENGINE POWER

**101 cc, 7.5  
hp**



CREW

**3**



SERVICE CEILING

**20,000 ft**



SPEED

**max. 110 kts**



ENDURANCE

**18 hours**



RANGE

**93 km**



PAYLOAD

**35 lbs**

The X-300 Integrator is a medium-sized surveillance UAS operated via a ground control station and LOS. It can be used in land and maritime operations.



# FUCHS APC „PEILER“



ARMAMENT

■ MG3 7.62 mm machine gun



WEIGHT

MLC17



CREW

3



WEAPON RANGE

N/A



DRIVING RANGE

up to 800 km



SPEED

up to 90 km/h

The main purpose of the FUCHS APC „Peiler“ (direction finder) is to identify enemy emitters. When using two or more direction finders in a coordinated manner, enemy emitters can be tracked and identified. After a brief analysis of the intelligence gathered, an electromagnetic situation picture may be

provided to the operational or tactical level. This electromagnetic situation picture may warn a commander of immediate threats and/or support the decision to take countermeasures. In a national and collective defence scenario, the direction finder will be deployed 3-5 km behind the forward edge of battle area (FEBA).



# FUCHS APC „HUMMEL 05/06“



ARMAMENT

■ MG3 7.62 mm machine gun



WEIGHT

MLC17



CREW

3



WEAPON RANGE

N/A



DRIVING RANGE

up to 800 km



SPEED

up to 90 km/h

The main purpose of the FUCHS APC (armoured personnel carrier) „HUMMEL 05/06“ is to jam enemy radio communication systems by using electronic countermeasures in different frequency ranges. The HUMMEL 05/06 works in

tactical combination with other electronic countermeasure systems and may be assigned to a brigade or division.

In a national and collective defence scenario, the HUMMEL 05/06 will be deployed 10 km behind the forward edge of battle area (FEBA).



# YAK LUNA TRANSP



ARMAMENT

**none**



WEIGHT

**13,500 kg**



CREW

**military driver,  
commander**



WEAPON RANGE

**N/A**



DRIVING RANGE

**700 km**



SPEED

**80 km/h**

The YAK Luna Transp is a protected vehicle with an add-on transport module. It is mainly used as a carrier vehicle for the LUNA UAS and the system's catapult.

The crew is responsible for the proper operation of the drone in coordination with the launch and landing team.





# YAK LUNA BKS



ARMAMENT

**none**



WEIGHT

**13,500 kg**



CREW

**military driver,  
commander**



WEAPON RANGE

**N/A**



DRIVING RANGE

**700 km**



SPEED

**80 km/h**

The YAK Luna BKS has a ground control station for the LUNA UAS sensor as an add-on module. It is a mine-protected command and control vehicle used to control

the LUNA UAS and operate its sensor. Information obtained from the sensor is processed and submitted to the higher command echelon.



# FENNEK



## ARMAMENT

- HK GMG 40 mm automatic grenade launcher *or*
- MG3 7.62 mm machine gun



## WEIGHT

**10.4 t**



## CREW

**3**



## WEAPON RANGE

- GMG: 2,000 m (max.)
- MG3: 1,200 m



## DRIVING RANGE

**860 km**



## SPEED

**115 km/h**

The FENNEK is a light armoured 4WD reconnaissance vehicle operated by a three-man crew and employed in groups of two.

A scout party equipped with this vehicle is able to operate independently for a period of up to five days.



# BOXER GNGP



## ARMAMENT

- 14.5 mm (all-around)
- 30 mm (front)



## WEIGHT

**34,090 kg**  
(unloaded)



## CREW

**3**



## WEAPON RANGE

**1,850 m**  
(max. effective range)



## DRIVING RANGE

**1,000 km**  
(on the road)  
**550 km** (off-road)



## SPEED

**80 km/h**

The Boxer GNGP is a multi-purpose vehicle that can be used as an infantry, engineer and medical vehicle. Different mission modules can be attached to the drive module within one hour.

The infantry module we use provides seating for six dismounts and offers protection against several AT weapons and up to 10 kg AT mines. It is armed with an M151 Protector RCWS (.50 cal.).



# MB G 280 CDI SOFTTOP



ARMAMENT

**depending on  
the variant**



WEIGHT

**4,130 kg  
(unloaded)**



CREW

**4**



WEAPON RANGE

**1,200 m  
(effective range)  
for .50 cal.**



DRIVING RANGE

**unknown**



SPEED

**120 km/h**

The size and build of the MB G 280 CDI SOFTTOP provide the vehicle with excellent off-road capabilities. It can be used as a base for several weapon systems (7.61 mm GPMG, .50 cal. AGL, SPIKE AT missile).

The compact size and relatively quiet engine of the MB G 280 CDI SOFTTOP allow movement close to the enemy. Fitted with one of the weapon systems mentioned above, it makes a dangerous opponent.





## Epilogue

For further information and pictures of the exercise please see:

JFC Naples Facebook: <https://www.facebook.com/NATOJFCNAPLES>

JFC Naples Twitter: [https://twitter.com/JFC\\_Naples](https://twitter.com/JFC_Naples)

JFC Naples Website: <https://jfcnaples.nato.int/>

<https://jfcnaples.nato.int/>

[https://twitter.com/JFC\\_Naples](https://twitter.com/JFC_Naples)

<https://www.facebook.com/NATOJFCNAPLES>

<https://www.youtube.com/channel/UC6hY5526BaVBvLCnwRH90Pg>

<https://www.linkedin.com/company/11817641>

<https://www.facebook.com/NATOJFCNAPLES/>

<https://www.facebook.com/SHAPE/>

<https://instagram.com/nato.military?igshid=YmMyMTA2M2Y=>

<https://www.dvidshub.net/feature/NobleJump23>

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# Exercise NOBLE JUMP 2023

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