During the last 4 years, LtCol Virbukas has worked for the Defense Materiel Agency under the Ministry of the National Defense of the Republic of Lithuania. He transferred to the newly created agency in 2018 and was assigned to the Combat platforms division as the senior transport officer. In 2022, LtCol Virbukas was promoted to the Division chief post of Air and Sea combat platforms at the Defense Materiel Agency. As of November 2023, he took on the acting duties of the deputy director for these systems.