

PRIMOCO UAV

His Excellency Andres Anvelt
Minister of the Interior
Ministry of the Interior
Pikk 61
Tallinn 15065
Estonia

Prague, October 31, 2017

Your Excellency,

To help you deal with the increasing security challenges that we are facing in all regions, I would like to introduce our unmanned aerial vehicle, the Primoco UAV. We have been producing the aircraft at our factory in Prague, Czech Republic since 2015 and are now working with a number of governments who recognize the advantages of advanced aerial monitoring based on a secure and reliable platform, certified by civilian aviation authorities in Europe. The Primoco UAV is one of the largest UAVs available on the market today. Produced in the Czech Republic, it builds on our local technological background as well as Czech know-how and traditions in the aviation industry.

We provide the optimal, world-class solution for unmanned flights in border protection, safety and security, as well as the monitoring of strategic infrastructure and installations. The UAV is easily transported in a light van and can be working from a small remote airfield within 60 minutes of arrival.

Unlike small, battery-powered drones and helicopters, Primoco UAV uses a fixed-wing construction. The aircraft provides an unmatched performance: a maximum take-off weight of 150 kg, endurance of up to 10 hours, a maximum flight distance of over 1,500 km and a cruising speed of 100-150 km/h. The UAV is operated from the ground and can perform its entire mission fully automatically including takeoff and landing. The UAV has secure communications via radio or satellite INMARSAT connections to send live video and sensor readings back to the ground station continuously. A full range of sensors can be installed onboard: Infra-Red cameras, Optical cameras, Radar/Lidar sensors and others according to the specific requirements of our clients. We work with our clients to tailor appropriate individual solutions including the possibility of project based 'Drone as a Service'. A Primoco UAV will typically be around half of the operating costs of a manned-helicopter based solution, and provides a discrete and environmentally friendly approach to air support activities.

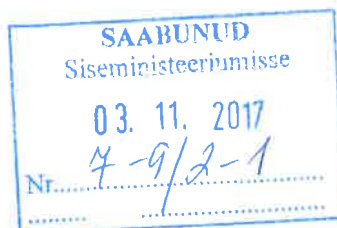
Our website www.uav-stol.com contains a full range of specifications and video to illustrate the possibilities of controlling your own airspace efficiently and economically. In the attached document you will find the essential parameters of the aircraft.

I would be thrilled to meet you and your team to explore the many ways in which a Primoco UAV can benefit your country and help you increase the safety and security of your citizens and your borders. Please feel free to contact me directly by mobile or email so that I can give you my full personal attention.

Yours faithfully,



Ladislav Semetkovsky
Chief Executive Officer



Ondrej Potuzak
Vice President of Sales

A close-up, low-angle shot of a white aircraft wing. The wing is the central focus, with a red stripe running along its upper surface. In the foreground, a grey sensor pod or camera housing is visible, partially obscuring the wing. The background is a bright, clear sky.

PRIMOCO UAV

DESIGN FOR BUSINESS
BUILD FOR ENDURANCE

WWW.UAV-STOL.COM



TECHNICAL DATA AND SPECIFICATIONS

	ONE 100	ONE 150
Wingspan:	4,85 m	
Length:	3,65 m	
Height:	1,25 m	
Maximum take-off weight:	100 kg	150 kg
Payload	1 - 20 kg	1 - 50 kg
Maximum range:	200 km	200 km
Maximum distance:	1500 km	1500 km
Cruising speed:	100 - 150 km/h	100 - 200 km/h
Endurance:	10 hours	8 hours
Take-off and landing distance:	300 meters	300 meters
Maximum altitude:	2000 meters	5000 meters
Capabilities:	Auto take-off and landing	
Navigation system:	GPS/Glonass/Galileo/Beidou	
Air traffic control:	Transponder S-Mode	
Communication:	Radio Datalink 900 MHz - 5 GHz	
	Satellite Communication Iridium (H2 2017)	
Equipment:	Day and IR Camera	
	Lidar sensor	
	Multispectral / Hyperspectral Camera	

MEETING CUSTOMER DEMANDS

AUTOMATIC FLIGHT, EASY DEPLOYMENT:

PRIMOCO UAV IS AN UNMANNED AIRCRAFT WHICH CAN BE CONTROLLED REMOTELY OR FLY AUTONOMOUSLY USING PROGRAMMED FLIGHT PLANS. OPERATING FROM A SMALL 300M AIRSTRIP MEANS RAPID DEPLOYMENT FROM ALMOST ANYWHERE.

EXCEPTIONAL ENDURANCE, OUTSTANDING PAYLOAD:

A payload of up to 50 kg can be carried for 10 hours travelling up to 1500 km:

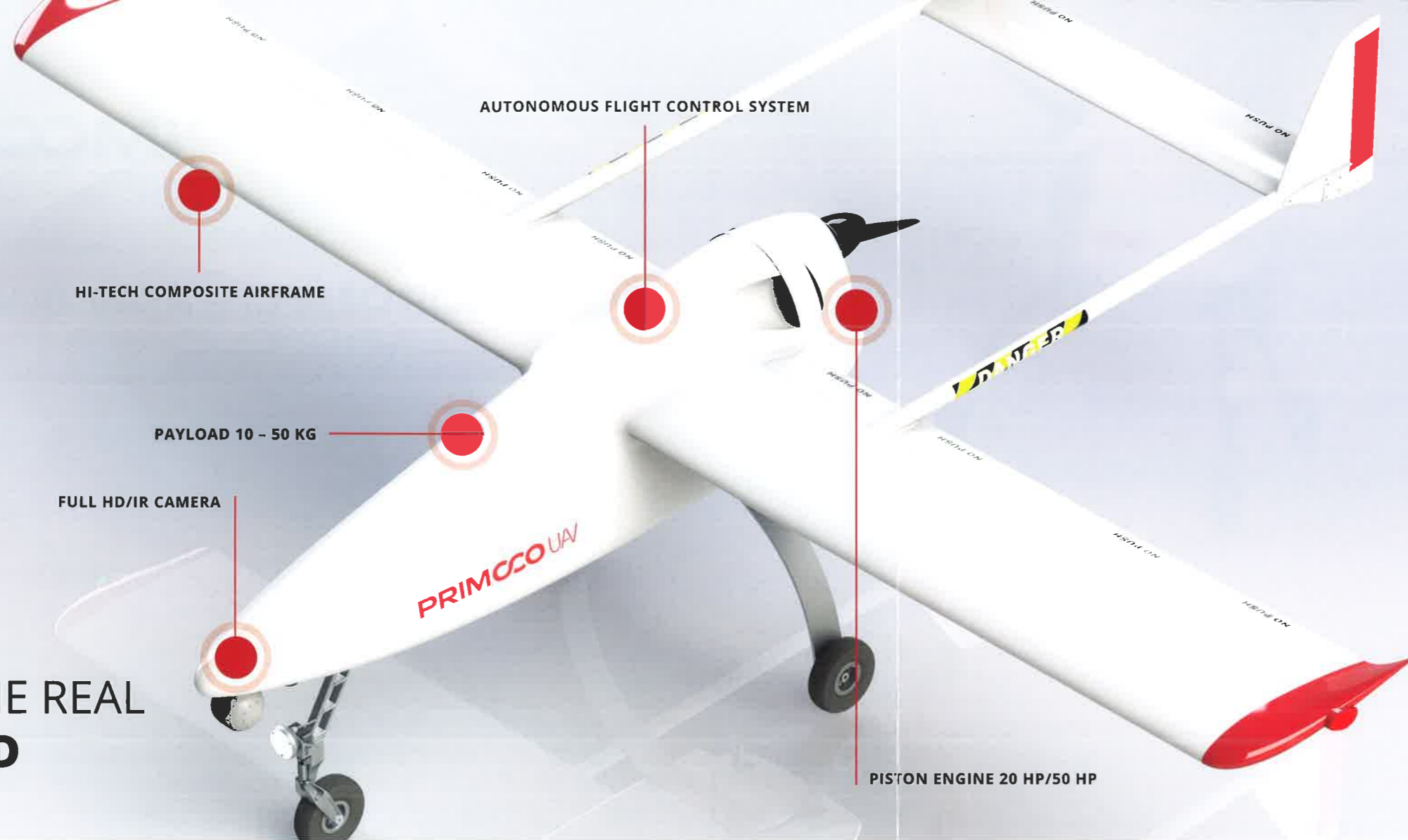
- Continuous high-resolution monitoring of an area for more than 10 hours
- Long range transmission and real-time datalink for data retrieval

BUILT TO FULFILL THE MOST DIFFICULT TASKS:

The UAV can be equipped with a mix of technology and systems that precisely match your needs.



A UAV FOR THE REAL WORLD



CIVIL APPLICATIONS:

AGRICULTURE

Primoco UAV gives you access to precision agriculture. Real time provision of data and images about the health of your crops means you can predict crop yields and respond to pest threats. Updated information means that application of pesticides will be more precise, economical and less environmentally damaging.

POWER LINE CORRIDOR MAPPING

Regular 3D scanning of power line corridors is crucial for planning and management. Primoco UAV has the endurance to deliver outstanding results using Lidar and 3D scanners at half the cost of manned solutions.

MAPPING

Primoco UAV gives you the capability to undertake remote mapping tasks using a 3D laser scanner. Solving topographic tasks such as remote and complex terrain or groups of buildings can be quickly and safely accomplished.

CIVIL ENGINEERING

Efficient preliminary topographic inputs are a core part of planning for road and rail corridors. By using the flexibility of the Primoco UAV, areas can be easily re-scanned as frequently as needed without the requirements and approvals needed for on-the-ground logistics.

MINING

Primoco UAV is often used to monitor and map opencast mines. With its 3D scanning capabilities it is the fastest and simplest way to deliver volume measurements and calculations by using time-interval photography and 3D models.

PIPELINE MONITORING & ENVIRONMENTAL

Primoco UAV is the first choice for regular pipeline monitoring missions given its extended range and cost effectiveness. Ground or sea pipeline systems can be monitored at regular intervals to ensure the safety of the system and the environment. Optical and infra-red cameras can be used, as well as various multispectral and hyperspectral sensors.

DISASTER RESPONSE & ENVIRONMENTAL

Primoco UAV is the fast way to get information when mapping the site of a natural disaster. The epicenter of a fire can be easily found thanks to the inbuilt thermo-camera, so it can be eliminated quickly before it spreads. The real time video capabilities can assist in finding missing people in flood zones. At sea, oil spills can be monitored and mapped to inform the best and most effective response.

GOVERNMENT APPLICATIONS:

SECURITY

Primoco UAV provides you with rapid information in critical situations. Real time information from the air extends your reach, leveraging your teams ability to monitor large crowds or vehicle movements. Long range monitoring gives you time to prevent the unauthorized entry of terrorists, criminals or undocumented immigrants. Primoco UAV underpins your national security strategy.

COASTLINE SURVEILLANCE

The exceptional endurance of Primoco UAV means that you can monitor coastal waters reliably, efficiently identifying boats and tracking unknown vessels. The UAV's 1500 km range and outstanding in-flight endurance give you the capability for a permanent remote presence. Its unobtrusive size and profile allow deployment across sensitive areas.

SEARCH AND RESCUE

The thermal sensor package onboard the Primoco UAV is an effective tool for any SAR mission on land or sea, providing another set of eyes for supporting rescue operations in forests, and remote areas. Primoco UAV gives you a rapid response capability at an effective cost.

BORDER PROTECTION

Primoco UAV is a key part of any border protection and surveillance system. It can provide real-time intelligence on border areas. Using the integrated sensor package provides video and thermal data to support immediate response by ground based teams.

PRIMOCO UAV EXTEND YOUR REACH

At Primoco UAV, we recognized the need for a UAV designed for the civilian sector. A UAV approved by regulatory authorities. A UAV with the endurance to fly for 10 hours and a 1500 km range. A UAV that is built to take-off, perform and land autonomously. And to do it again the next day, and the next, reliably delivering real time video and information capture.

We took our enthusiasm for aviation and combined it with Czech engineering expertise and advanced production techniques. The UAV One 100 and UAV One 150 are approved and flying real customer missions today.



SERVICES

High quality production ensures your aircraft leaves our factory perfect. To keep your investment in perfect condition, it needs maintenance from trained professionals. Our planned maintenance programs keep the servicing of your UAV simple and cost effective to maximize flight hours.



PRIMOCO UAV

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