AR Lightweight Free Float and Drop-in Handguards
MIDWEST INDUSTRIES, INC.
MANUFACTURERS OF QUALITY TACTICAL RIFLE ACCESSORIES - MADE IN THE U.S.A.



BREAKING NEWS Rostec Passive and Active Exoskeleton Technology in the Works for Russian Military Ratnik-3 Future Soldier Program



# ROSTEC RUSSIAN RATNIK-3 FUTURE SOLDIER MILITARY 'STEALTH CAMOUFLAGE' WITH 'CHAMELEON HELMET' ADAPTIVE CAMO (CAMOUFLAGE)/VISUAL CLOAKING TECHNOLOGY TO BE DEMONSTRATED FOR SOLDIER SUITS AND VEHICLES SOON: DOES IT ALSO CLOAK THERMAL/IR AND SWIR SIGNATURES?

Posted by: David Crane August 21, 2018

By David Crane
david (at) defensereview (dot) com

Photo(s) Credit: Anton Tushin, Rostec

August 21, 2018
*Last updated on 8/26/18.*



DefenseReview's (DR) been covering adaptive camouflage/visual cloaking technology for many years now. One of our more interesting pieces (if we do say ourselves) is our interview piece with Hyperstealth Biotechnology Corp. CFO Guy Cramer about HyperStealth Quantum Stealth (QS) adaptive camo (camouflage) tech in May, 2011, which was a real eye opener for us. That interview really got our imagination going, and made us wonder about how close the US military is to actually integrating it into soldier suits and vehicle exteriors.

Well, a little over 7 years later (MAN, time flies), the Russkies (80's lingo for Russians) are reportedly about to demostrate their own adaptive camo/cloaking tech, or "stealth camouflage", along with a "Chameleon Helmet", for soldiers that was developed by Rostec, a Russian military defense contractor. The new stealth camouflage tech, developed for the Russian Ratnik-3 future soldier program, can also be applied to vehicles. The TASS Russian News Agency recently published an interesting propaganda piece on Rostec's stealth camouflage tech, claiming the new adaptive camo "changes its pattern and color depending on the environment and will be used as coating for military hardware and the soldiers' outfits."

SEARCH
Search... SEARCH

ADVERTISING
START YOUR NEXT RIFLE BUILD AERO PRECISION
U.S. ORDNANCE
atlantic signal
TCI
ADVERTISING
AAC SILENCERS MADE IN THE USA
REMS TACTICAL GEAR
TACTICALEDGE.COM
MIGHTIER. INDEED
TUFF-WRITER
TNVC



Rostec CEO Sergei Chemezov told TASS that the company will demonstrate it at the Army-2018 international military and technical forum near Moscow. "At the Army-2018 forum, Rostec will demonstrate a prototype of the electrically-controllable material that can change its color depending on the surface that needs to be camouflaged and on the environment. The coating can reflect color changes and imitate complex graphical depictions, up to the leaves wavering in the wind," Chemezov said.

That's pretty big talk, even for a Russian. Chemezov went on to say that "the possibilities of using the coating are much wider. In the future, it may be applied to whatever it is: clothes, arms, combat hardware." Cocky? Sure. Scary? Absolutely. True? We'll see.

Let's just hope the Russians don't share their new "stealth camouflage" tech with the Chinese. Let's also hope that Hyperstealth's Quantum Stealth adaptive camo/cloaking tech actually works as claimed, and is already being successfully tested for US military warfighter/soldier suits, vehicles and aircraft, and can at least match the Russian tech, if it doesn't exceed it. Otherwise, the Russians are about to get even scarier for us, and much tougher to deal with on the battlefield.

DR wonders if Rostec's stealth camouflage tech also cloaks a soldier's or vehicle's thermal/IR (Infrared) and SWIR (Short Wavelength InfraRed) signatures. Let's hope the US military or intelligence services can capture and test it (or at least information about it) before we actually have to face it on the battlefield.

Defense Review will try to stay on top of this one, so stay tuned. In the meantime, *Popular Mechanics* also has a piece on it, so check it out.

**Company Contact Info:**

Rostec
24, Usachewa str.
Moscow, 119048
Russian Federation
Phone: +7 (495) 287-25-25
Email: info@rostec.ru
Website: https://rostec.ru

© Copyright 2018 DefenseReview.com (DR). All rights reserved. This material may not be published, broadcast, rewritten or redistributed without receiving permission and providing proper credit and appropriate links. If you are reading this article anywhere other than DefenseReview.com, please email us the website address/URL (where the unauthorized DR article reprint is located) at defrev (at) gmail (dot) com. Thank you.

**Related Articles:**

*DR Exclusive Interview: HyperStealth Quantum Stealth (QS) Light-Bending Passive Adaptive Camouflage (Camo)/Visual Cloaking Technology for the 21st Century Future Soldier/Warfighter: Beyond SMARTCAMO Color-Changing Hybrid Camouflage, Beyond Fictional Alien Predator's Active Electro-Optical Camouflage/Invisibility Cloaking Tech!*

*LLTICS Black Fox Active, Adaptive IR Stealth System / Electronic Thermal Infrared Countermeasure System: Multi Spectral Thermal/IR (Infrared) Adaptive Camouflage/Cloaking System for Combat Vehicles, Helicopters, and Warships Coming soon to a Battlespace/Theater of Operations Near You!*

*Blucher Systems Ghost Soldier Camouflage and Spectralflage Vehicle Camo: Multispectral Combat Camouflage Fabric Technology that Provides Anti-Thermal/IR (Infrared) Camo for 21st Century Special Warfare (SPECWAR)*

*Will TALOS (Tactical Assault Light Operator Suit)-Outfitted Future Soldiers Get Lightweight Abalone Shell-Based Flexible Scalar Biomimetic Metal Foam, Carbyne (Linear Acetylenic Carbon) and/or Multilayer Graphene Ballistic Armor Composites?*

*Tactical Assault Light Operator Suit (TALOS) + FlyBoard Air Ducted-Fan Hoverboard = Flying Super Soldiers: Future Military Special Operations Forces (SOF) Assaulters/Operators to Fly Themselves to the Target in Exo Armor 'Iron Man'-Type Combat Suits?*

*USSOCOM Tactical Assault Light Operator Suit (TALOS) Exo-Armor Combat Suit for the Future Soldier/Warfighter: 'Iron Man', or Future Iron Thud on the U.S. Military Procurement Scrap Heap?*

*VATEC Concealment Solutions (VCS) Flexible Multispectral 3D Combat Camouflage System: Texturized Individual and Vehicle Camouflage by Polaris Solutions (Israel) and ReadyOne Industries Conceals Your Visible Light and Thermal/IR (Infrared) Signatures from the Enemy! (Video!)*

LIGHTER

DANIEL DEFENSE

RAINIER ARMS

BCM PROFESSIONAL GRADE WEAPONRY

LMT SIZE MATTERS

WILCOX

DIAMONDHEAD ADVANCED COMBAT SYSTEMS DIAMOND SIGHTS & HANDGUARDS

MAS SF ADVANCED FR GEAR

THE INDEPENDENCE FUND

BROWNELLS CLICK TO BUY! WORLD CLASS COMPENSATORS

HEL-STAR IDENTIFICATION FRIEND OR FOE

## DR HOT TIP LINE

Do you have a hot tip for us on a potential story? Click here and send us a message about it!

## LINK FRIENDS

## GUNUP

GUNUP BLOGGER NETWORK

## CONTENT PARTNERS

AR15.com
AK47.net
Defense-Update.com
Defense Tech
The Firearm Blog
Frag Out! Magazine
Gizmag.com
IDGA.ORG
ITS Tactical
NRA Life of Duty (LOD)
NRA Freestyle
Kit Up! (Military.com)
MilitarySpot.com
MilSpecMonkey.com
ModernSurvival.net
Soldier of Fortune (SOF Mag)
Soldier Systems

*Russian Ratnik 3 (Warrior-3) Infantry Combat System with Exoskeleton to Turn Future Russian Military Infantry Soldier/Warfighters into Supermen? Let's Hope Not.*

*Russian Nano-Armor Coming in 2015 for Future Soldier 'Warrior Suit', and Russian Spetsnaz (Military Special Forces) Already Running Improved 6B43 Composite Hard Armor Plates, New Plate Carriers and Combat Helmets, AK Rifle/Carbines, GM-94 Grenade Launchers and other Tactical Gear in Crimea, Ukraine*

Rostec Russian Ratnik-3 Future Soldier Military 'Stealth Camouflage' with 'Chameleon Helmet' Adaptive Camo (Camouflage)/Visual Cloaking Technology to be Demonstrated for Soldier Suits and Vehicles Soon: Does it also Cloak Thermal/IR and SWIR Signatures? by David Crane

## ABOUT DAVID CRANE



David Crane started publishing online in 2001. Since that time, governments, military organizations, Special Operators (i.e. professional trigger pullers), agencies, and civilian tactical shooters the world over have come to depend on Defense Review as the authoritative source of news and information on "the latest and greatest" in the field of military defense and tactical technology and hardware, including tactical firearms, ammunition, equipment, gear, and training.

« Previous: Improving your Glock for under $100 Part II: Connectors, Sights and Magpul Magwell!

Next: Rostec Passive and Active Exoskeleton Technology in the Works for Russian Military Ratnik-3 Future Soldier Program »

World.Guns.RU

## FIND US ON FACEBOOK

## CATEGORIES

Categories
Select Category

## SEARCH ARCHIVES

Search Archives Select Month

## SUBSCRIBE TODAY

Join Defense Review Newsletter

Name:

Email:

Submit

We respect your email privacy

Powered by AWeber email marketing

## INTERNET MARKETING SERVICES

Is Your Website Not Showing Up In The Search Results? Then SLO is what you need. We will show you what it is. Then we will get your website in the search results.

Click Here now and learn what SEO is.

Copyright © 2017 DefenseReview.com. All Rights Reserved