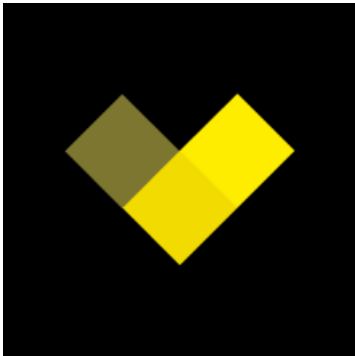




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Research Dossier: Velcom



Country

Belarus

Company Name

Unitary Enterprise Velcom

Ownership Type

Subsidiary

Ownership/Controlling Entity

A1 Telekom Austria Group

Website

<http://www.velcom.by>

MNC

01

Company Overview

Velcom started its commercial operations rendering mobile services in April 1999. The company operates its mobile network under the velcom and PRIVET brands as well as providing fixed broadband internet access based on its own fibre optic network. Velcom is a subsidiary of Telekom Austria Group (TAG). In April 2019 Velcom began rebranding elements of its business to A1 Belarus, matching its parent company's branding.

Velcom began its 3G network rollout in March 2010 over B1 (2100 MHz). In December 2015 the company activated DC-HSPA+ technology over its entire 3G network increasing peak data rates to 42 Mbps. In February 2016 the operator switched on its long range B8 (900 MHz) 3G network allowing dramatic coverage extension and mobile data quality upgrade throughout the whole country.

Unlike its competitors, Velcom elected not to connect to the 4G network being deployed by the

country's national infrastructure access provider Belarusian Cloud Technologies (beCloud). In September 2013 beCloud was granted frequencies to construct what was planned to be the country's sole 4G LTE wireless network when the government awarded it LTE-capable spectrum, with the aim of constructing a single nationwide network to be offered on a wholesale basis to other Belarus operators in order to save infrastructure costs. The company conducted lengthy discussions with the Belarussian regulator (BelGIE) around obtaining appropriate licences to refarm its existing spectrum for LTE, unfortunately without result.

In March 2019 the company announced that it had agreed to use beCloud as its 4G infrastructure provider and that 4G services were now available to its subscribers over beCloud's B3 (1800 MHz) managed network.

Velcom IoT

In December 2017 Velcom launched the first Belarusian IoT network using a standalone NB-IoT configuration in the 900 MHz band.

▼ 3G UMTS Network Information

Details on UMTS network deployments are shown below. Data are often incomplete due to commercial nature. Consult dossier text for further details.

Launch Date 2010-03 Status Active

UMTS Band Packet Data Status

[B1 \(2100 MHz\)](#) [DC-HSPA+](#) Active

[B8 \(900 MHz\)](#) [HSPA+](#) Active

▼ 4G LTE Network Information

Details on LTE network deployments are shown below. Data are often incomplete due to commercial nature. Consult dossier text for further details.

Evolution	LTE (Standard)	Status	Active [Launched 2019-03]
Max. MIMO	2x2 MIMO	Max. Modulation	64QAM
Carrier Aggregation	-	Features	-

LTE Band Channel Width Status

[B3 \(1800 MHz\)](#) 20 MHz Active

▼ IoT Network - NB-IoT (LTE Cat-NB1)

Technology	NB-IoT (LTE Cat-NB1)	Status	Active
Band	B8 (900 MHz)	Launch Date	2017-12

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