# Ukrainian war 2022: Russian errors

In tactic, strategic, ….

1. Underestimating the enemy

Remember the Russian officials: they will invade Ukraine in 2-3 days, they will welcomed as heroes, take down the actual government, they will put a puppet regime like in Belorussia.

1. Poor secret service and information

Putin was told, he will be welcomed as hero by Ukrainians. But, most of Ukrainian despised Russia and won’t accept to be invaded. Since the annexation of Crimea in 2014, hate against Russia kept rising. Furthermore, the Ukrainian army has been preparing for this invasion: training, buying equipment, manufacturing, .. Thousand of soldiers had been fighting in eastern front for years, -> lots of veterans.

1. Attacking without taking into account the weather

The attack started in February. It is winter, so snowy and very cold in Ukraine. These are very bad conditions to launch an attack because of harsh conditions. No shelter more soldiers, bad logistics -> hungry soldiers, no ammo, no fuel for vehicle.

No need to be genius to know that after the winter, the snow will melt and it will replaced with mud, thus worsening the ground conditions.

Consequently, when the Russians tried to use the terrain, their Armor get stuck into the mud. Many Armor were abandoned because of this.

The Russians had to stick to the road when attacking, making their attack approaches very predictable. The Ukrainians can easily prepare all sorts of ambushes.

1. You can’t decide when to end the war

Poutine thought that the attack will last few days. But he doesn’t know history or military affairs. He forgot/doesn’t know the saying:

*“You can start a war, but you can’t decide when to stop it.”*

The enemy is always unpredictable, he can receive help from other parties, so he will resist longer. He can have hidden means to fight longer, better tactics and strategies when using his poor equipment. This war is the perfect example of this.

Even if you decide to stop the war, who can say that the enemy will stop too ?

1. Armor advance without infantry support

In many videos, we can see that the Russian tanks and AFVs are moving and entering

Ukrainian tank ambushing Russian convoy : <https://www.youtube.com/watch?v=S27kw7XVvSA>

Well hidden Ukrainian tank. Shooting the tanks. The Russians return fire randomly, they don’t know where is the tank. The infantry is not doing well, are useless, they are just following the armors.

Ukrainian infantry ambushing Russians column in the region of Bovary: <https://www.youtube.com/watch?v=IfRcmJTAouM>

No flank cover, simple column formation, easy target, went straight into the trap.

concealed with a camo net and a fortification, near the secondary road in the intersection. the Ukrainian waited until the tank advance to have a shot at the side. The Russian crew left the tank while the fire is burning it. The Russian infantery panicked, quickly disembarked and tried to take cover. The rest of the armors too. At the back, we can later a tank returning fire, but he shoot the border of the forest 50m to the back, thinking that the shot came from there. 1 second late, he is also receive a shot.

The tank who got shot first started cooking off.

Big error : a bmp is following him for no reason, entering deep into hostile zone, without any support. If more Ukrainians were waiting in ambush, the bmp would be dead.

1. Column formation when entering urban areas

Russian tanks bombed with artillery: <https://www.youtube.com/watch?v=4g68MmLrGvM>

In this video, we can see that all the Russians armors grouped in the street, very close to each others. In this situation, they can’t manouver easily if they are attacked. They got easily bombed and had to retreat, after loosing many vehicles and soldiers.

1. Many tanks used in this war are from the soviet era

like the T-72, and AFV transport vehicles.

1. Out of fuel

A lot of logistics issues were spotted right at the start of the conflict.

<https://www.youtube.com/watch?v=14gVDF2b1vA>

many advances were stopped because they don’t know where to go, no fuels + maintenance : lot of vehicle break down because of this.

lots of vehicles were abandoned because of lack of fuel and maintenance. Ukrainians take them as spare parts for vehicles in better conditions.

1. 60km convoy north of Kiev.

For weeks, this convoy was stuck. Ukrainians easily target this convoy but ambushed or by artillery.

1. Using public radio for communications

In many videos, we can see Russian-affiliated soldiers carrying and using no-crypted radios. The enemy can easily hear the communication and even jam them.

1. MRE outdated. 04.2015
2. Poor training.

Many captured soldiers were called just days before, to participate in the exercises. They didn’t know they will be sent to the war. Others were recruited days before the war.

In Russia, a pilot has only 120h of flight before getting promoted. Vs much more in western countries. 400-500h maybe.

1. No electronic jamming against enemy equipment

Ukrainians are still using radio to communicate and can use drones for surveillance or attacks.

1. Missile failure

Some sources estimates that 60% of the launched missiles fail, while it must be only 20%.

1. Obsolete tank design

All used tanks, from t-62 to t-90 use an obsolete design to store ammunition. Russian tanks are equipped with autoloader. This forces the ammo to be stored in a ring, under the turret and the crew. This ring is not protected. So, if a shot is well placed under the turret and penetrates, it can hit the shells and set them on fire. In some cases, the tank instantly explodes, also killing the crew.

This design was discarding in the western countries in the 70s, when they start developing the KPZ 70, leopard 2, M1A1. -> storing shells in the rear of the turret, behind a protected wall. If the storage is hit, the explosion is directed outside the torrent. + keeping the loader instead of autoloader.

1. Bad communication and synchronisation between different arm corps

At the start of the war, we can see that each front is fighting on his own. Ukrainian could defend themselves by moving troops to different fronts when needed.

1. Bad communication and syncho between air forces and ground forces

Air support comes later

* may hit their own troops
* no support -> loose ground and troops

1. Errors while crossing the street

Youtube : search Russian troops crossing street, 2 min long

<https://www.youtube.com/watch?v=qme6PTVWI9Q>