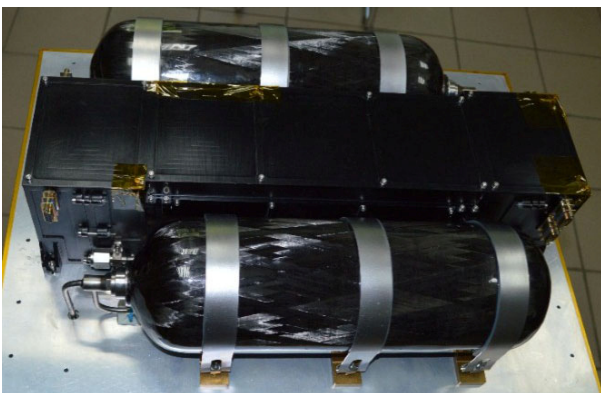


# SERAN XENON FEEDING SYSTEM



## HIGLY RELIABLE REDUNDANT FEEDING SYSTEM

This system was developed for a power plant based on HALL Thrusters. The system has two completely independent channels, each is controlled by its own independent electronic control system. Each channel can supply up to 2 motors and 4 cathodes. This ensures complete redundancy of the propulsion system. However, the mode of simultaneous operation of all connected thrusters without redundancy can be selected.



Characteristic	
Deep redundancy both for electronics and feeding system was implemented.	
System consisted of 4 independent Hall effect thrusters, each had 2 hollow cathode-neutralizers, one being redundant.	
2 independent Gas feed unit with 12 separate channels	
Size*	200x360x120
Mass*	8Kg
* Including PPTCU	

