





Savronik's adventure of Power Distribution and Control Units (PDCU) in the field of Defense Industry started in the early 2000s and since then the number of PDCU configurations designed and developed has reached 90 (Ninety).

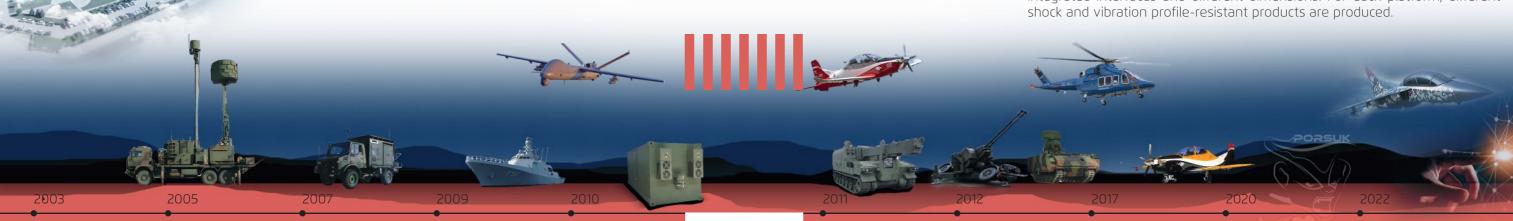
As a subcontractor mainly for defense industry foundations owned by the Turkish Armed Forces and as a main contractor, Savronik has designed, developed and produced PDCUs for domestic and foreign markets. The PDCUs by Savronik are used actively to meet controlled and protected power needs on various platforms across Turkey and in many countries.



Leading technology for power

By means of Savronik-designed Power Distribution and Control Units (PDCU) and additional state-of-the-art circuits/equipment/microprocessors, the quality of the electrical power on the system can be monitored, controlled, protected and determined autonomously, without user support, through smart components and scenarios.

PDCUs can be developed for stationary interior applications as well as land, naval and airborne vehicle platforms. In order to provide power distribution for these systems, Savronik can design the PDCUs specifically, with different integrated interfaces and different dimensions. For each platform, different



MICROPROCESSOR controlled PDCU design

FIRST "3-PHASE FIRST 19" 400VAC", **RACK CABINET** PDCU design compatible with ETHERNET with the PDCU connection design

FIRST MARINE **ENVIRONMENTAL** PDCU design

FIRST UAV-Ground Control Station PDCU design

DIFFERENT **CONFIGURATION PDCU DESIGNS**

FIRST FIXED-WING Aircraft PDCU designs

PDCU design with FIRST ILLUMINATED Front Panel Label

FIRST Solid State Power Controller (SSPC) Board design

FIRST **ROTARY-WING** Aircraft PDCU designs

FIRST 19" Rack compatible with the Aircraft Smart INDUSTRIAL TYPE PDCU (PORSUK) design

FIRST JET MOTOR PDCU designs

PIECES PDCU **DELIVERY**

PDCU DESIGN **EXPERIENCE**

CUSTOM DESIGN **FOR EACH PLATFORM**

OUR DESIGN CAPABILITIES

HardwareDesign



SoftwareDesign

Mechanical Design



OUR POWER SWITCHING CAPABILITIES THE CAPABILITIES CAPAB

The power switching techniques used in our designs since the first production in the Power Distribution and Control Units (GDKB) Product Family;

Traditional Switching Methods

- -Relay,
- -Contactor,
- -Circuit Breaker/Fuse

Solid-State Switching Methods

-Solid-State Power Controller(SSPC)-Innovative Electronic Card Designs

PDCUs produced with power switching techniques play an important role in meeting electrical power needs on;

Land Platforms (Shelter, Wheeled Tire, Tracked Vehicle etc.), **Naval Platforms** (Underwater and surface vehicles, etc.), **Airborne Platforms** (UAV, Fixed Wing, Rotary Wing etc.).

Due to the high level of reliability of GDKB Systems developed specifically for aircraft, the design processes are carried out in accordance with;

D0-254, Design Assurance Guidance for Airborne Electronic Hardware, **D0-178C**, Software Considerations in Airborne Systems and Equipment Certification.













OUR TEST SOLUTIONS CAPABILITIES TO THE SOLUTIONS

For every PDCU produced, the following tests are conducted with high precision in our test labs by the competent test engineers:

Functional Tests,
Design Verification Tests,
Environmental Conditions (MIL-STD-810G, DO-160 etc.),
EMI/EMC Qualification Tests (MIL-STD-461E, DO-160 etc.),
Factory Acceptance Tests , (conducted together with the purchaser),
ESS(Environmental Stress Screening) Tests (for each product when needed).



About Savronik ...

Savronik, founded in 1986, has been operating for over a quarter of a century in the Turkish Defence Industry, and is one of the few major players in an industry dominated by quasi-governmental organizations. Starting from early 2000s, we have been employing our defence industry experience also in Intelligent Road Systems, Railway Systems and Integrated Logistics Support.

Savronik produces award winning, high quality products, both unit and integrated solutions, compliant with standards such as ISO 9001:2015, AS9100 rev.D in the fields of electronics, electro-mechanics and software. Our true differentiator however, is our field capabilities which allow Savronik be wherever and whenever our customer needs us. In this respect Savronik is not only a technology company but also a services and maintenance competence center providing full life cycle maintenance and operating services to its customer in the civil and military sector.