

# Oleg G. Meshkov, PE

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## Experience

2023 – Present Cx4b; Commissioning for Buildings, LLC Parkland, FL

### Mechanical Design Engineer

- HVAC and Electrical design (include required calculations): Ductwork distribution, Chilled/Condenser Water Piping Schematic, Mechanical room plan in detail, Mechanical Schedules/Details/Controls, selected HVAC equipment, wind load calculation, heat load/energy/outside air calculation, exhaust and intake fans, Electrical panel calculations, electrical design, electrical on-line diagram.

Sept.2019–sept. 2023 JLRDinc

West Palm Beach, FL

### Mechanical Engineer

- Existing HVAC evaluation
- HVAC design for Elementary/Middle/High schools (new and remodeling)  
HVAC design for Business centers/offices/museums/shops  
HVAC equipment selection using chilled water and glycol: cooling towers, chillers, pump skid packages, primary and secondary water loops, ice storage tanks, air handling units with chilled water-cooling coils, variable air volume terminal boxes, fan coil units, heat exchangers, duct heaters, control valves.  
VAV box calculations / Hydraulic system calculations and HVAC Solution software  
BIM 360/ REVIT HVAC design.
- Heat Load calculations (TRACE software), Energy calculations (Energy-Gauge commercial), Outside Air Calculations, duct sizing calculation (supply/return/outside air/relief/exhaust) include low/medium/high pressure, diffusers/grilles selection
- Earned PE in Florida in 2023 (Apr.)

Sept.2018–sept.2019 Credo Consulting Engineers

Fort Lauderdale, FL

### Mechanical Designer HVAC

- HVAC design for Residential (new and remodeling)  
HVAC design for Business centers/offices/museums/shops  
HVAC equipment selection  
AUTOCAD HVAC design.
- Heat Load calculations (TRACE software), Energy calculations (Energy-Gauge commercial), Outside Air Calculations, duct sizing calculation (supply/return/outside air/relief/exhaust), diffusers/grilles selection

2000 - 2018

Energy Companies in Russia

### Thermal / Mechanical Engineer

- Thermal equipment design, cooling system design, hydraulic system calculations, natural gas distribution system calculation, inspections of factories making equipment; participation in the testing of equipment, Power Plant maintenance

## Education

2005 – 2010 Moscow Power Engineering University

Moscow, Russia

- BSME Thermal / Mechanical Engineering.

## Education

1994 - 1999

Orenburg State University

Orenburg, Russia

- BSME Mechanical Engineering.

## Interests

Hockey, Jogging, Family