



Protocol Management Services Inc.

**A Full Service Company for all your Cleanroom and
Data Center Needs**

Headquarters

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WHO WE ARE

**Erika Hodess
President**

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**Tarrah Holland
Operations Manager**

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Incorporated in 2011

Protocol Management Services Inc. (PMSI) is a Women Owned Business certified by the Supplier Diversity Office of the State of Massachusetts.

Our staff has, combined, over 15 years of experience in the cleanroom and data center industries. PMSI is licensed to do business in over 6 states.

Fully Insured

OSHA Certified

Our work is performed in accordance with the most up to date ISO Standards and IEST Recommended Practices.

We have worked in varying ISO cleanliness levels and industries, as well as laboratories, white spaces, and data centers.

Our Clients have Included:

**Dow Kokam
Global Foundries
Draper Labs
UTAS
Trelleborg
Sprint
Delta Airlines
Verizon Wireless
Rogers Corporation**

Industries Served:

**Pharmaceutical
Microelectronic/Semiconductor
Medical Device
Biotechnology
Defense
Automotive
Telecommunications
Data Storage**

CLEANROOM SERVICES

- * Cleanroom Protocol Management
- * Cleanroom Consulting
- * Continuous Cleanroom Construction and Maintenance Cleaning
- * Cleanroom Protocol Training
- * Protocol Supply Management
- * Cleanroom Certification
- * Cleanroom Component Supply

ISO 14644-1 Cleanroom Standards

Class	maximum particles/m ³						FED STD 209E equivalent
	≥0.1 µm	≥0.2 µm	≥0.3 µm	≥0.5 µm	≥1 µm	≥5 µm	
ISO 1	10	2.37	1.02	0.35	0.083	0.0029	
ISO 2	100	23.7	10.2	3.5	0.83	0.029	
ISO 3	1,000	237	102	35	8.3	0.29	Class 1
ISO 4	10,000	2,370	1,020	352	83	2.9	Class 10
ISO 5	100,000	23,700	10,200	3,520	832	29	Class 100
ISO 6	1.0×10 ⁶	237,000	102,000	35,200	8,320	293	Class 1,000
ISO 7	1.0×10 ⁷	2.37×10 ⁶	1,020,000	352,000	83,200	2,930	Class 10,000
ISO 8	1.0×10 ⁸	2.37×10 ⁷	1.02×10 ⁷	3,520,000	832,000	29,300	Class 100,000
ISO 9	1.0×10 ⁹	2.37×10 ⁸	1.02×10 ⁸	35,200,000	8,320,000	293,000	Room air

Cleaning Programs * Gowning Programs * Current Practice Reviews * Installation Procedures



DATA CENTER SERVICES

- * Data Center Construction Cleaning
- * Data Center Maintenance Cleaning
- * Data Center Protocol Management
 - * Raised Access Floor Cleaning
 - * Underfloor Cleaning
 - * Anti-Static Control
 - * Subfloor Encapsulation



ADDITIONAL SERVICES

PMSI is able to provide clients with many other services. Including but not limited to:

- * Contamination Control Audits
- * Review of Current Practices
- * Commissioning Assistance
 - * Validation Assistance
- * Tool Hook Up Management

