



A CLEANER SOLUTION FOR A GREENER FUTURE

HELLO...THIS IS AEC...

Advanced Environmental Clean (AEC) is a service provider for high tech process equipment maintenance and cleaning.

AEC specializes in decontamination and refurbishment of high tech vacuum deposition equipment, assemblies, components effluent hardware, and various supporting facilities modules.



AEC, located in the heart of the Silicon Valley, was established in 2008, focused on unique and environmentally conscious methods for cleaning and maintaining deposition process equipment and associated integrated sub assemblies.



AEC has matured into a full service partner with our valued clients. Together we develop and establish process of record (P.O.R) for a robust and repeatable method of decontamination and cleaning. We understand vacuum process equipment and the requirements for handling these items.

...WHO IS CONTACTING US?

SEMINCONDUCTOR

- ION IMPIANT
- PHOTOLITHOGRAPHY
- CVD/PECVD
- PVD
- ALD

**ALTERNATIVE ENERGY
L.E.D**

PROFESSIONALS

- EH&S COORDINATORS
- OPERATIONS DIRECTORS
- FACILITY MANAGERS
- EQUIPMENT ENGINEERS
- PROCESS TECHNICIANS
- FIELD SUPPORT PERSONNEL
- MAINTENANCE TECHNICIANS



.....IN REGARDS TO?

- VACUUM EQUIPMENT
- CHAMBERS
- SHOWERS
- TARGETS
- SHIELDS/MASKS
- PLUMBING
- LABWARE

- STAINLESS STEEL
- ALUMINUM
- PLASTICS
- GRAPHITE
- CERAMICS
- SILICON

- PUMPS
- VALVES
- COLD TRAPS
- BELL JARS
- ESCs

SILICON VALLEY OFFICE :

744 ALDO AVENUE, SANTA CLARA, CA 95054

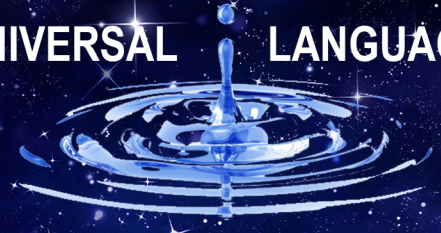
(P) 408 855 8030 (F) 408 855 8494



A Advanced

Ec Environmental Clean

SCIENCE IS A UNIVERSAL LANGUAGE



RELAX... WE NEED SOME INFORMATION FIRST

DECON

REFURB

CLEAN



1 H Hydrogen 1.008																	2 He Helium 4.002602	
3 Li Lithium 6.94	4 Be Beryllium 9.01																	10 Ne Neon 20.1797
11 Na Sodium 22.99	12 Mg Magnesium 24.31																	18 Ar Argon 39.948
19 K Potassium 39.09	20 Ca Calcium 40.08	21 Sc Scandium 44.955912	22 Ti Titanium 47.88	23 V Vanadium 50.9415	24 Cr Chromium 51.99	25 Mn Manganese 54.938044	26 Fe Iron 55.845	27 Co Cobalt 58.93	28 Ni Nickel 58.69	29 Cu Copper 63.546	30 Zn Zinc 65.38	31 Ga Gallium 69.72	32 Ge Germanium 72.63	33 As Arsenic 74.92	34 Se Selenium 78.97	35 Br Bromine 79.90	36 Kr Krypton 83.798	
37 Rb Rubidium 85.4678	38 Sr Strontium 87.62	39 Y Yttrium 88.90584	40 Zr Zirconium 91.224	41 Nb Niobium 92.91	42 Mo Molybdenum 95.95	43 Tc Technetium (98)	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.90550	46 Pd Palladium 106.42	47 Ag Silver 107.87	48 Cd Cadmium 112.41	49 In Indium 114.82	50 Sn Tin 118.71	51 Sb Antimony 121.76	52 Te Tellurium 127.6	53 I Iodine 126.90447	54 Xe Xenon 131.293	
55 Cs Caesium 132.90545196	56 Ba Barium 137.327	57 - 71 Lanthanoids	72 Hf Hafnium 178.49	73 Ta Tantalum 180.95	74 W Tungsten 183.85	75 Re Rhenium 186.207	76 Os Osmium 190.23	77 Ir Iridium 192.227	78 Pt Platinum 195.08	79 Au Gold 196.97	80 Hg Mercury 200.59	81 Tl Thallium 204.38	82 Pb Lead 207.2	83 Bi Bismuth 208.98040	84 Po Polonium (209)	85 At Astatine (210)	86 Rn Radon (222)	
87 Fr Francium (223)	88 Ra Radium (226)	89 - 103 Actinoids	104 Rf Rutherfordium (261)	105 Db Dubnium (265)	106 Sg Seaborgium (269)	107 Bh Bohrium (270)	108 Hs Hassium (277)	109 Mt Meitnerium (278)	110 Ds Darmstadtium (281)	111 Rg Roentgenium (282)	112 Cn Copernicium (285)	113 Nh Nihonium (286)	114 Fl Flerovium (289)	115 Mc Moscovium (289)	116 Lv Livermorium (293)	117 Ts Tennessine (294)	118 Og Oganesson (294)	

● Common Substrates ● Hazardous Compounds ● Extremely Hazardous

*Subject to Local / State / Federal regulations and requirements

JUST SOME BASIC FACTS...

- LEVEL OF SERVICE REQUIRED
 - DECON REFURBISHMENT CRITICAL CLEANING TEST CERT
- THE PROCESS USED TO CREATE SERVICE REQUIREMENTS
- LIST OF SUBSTRATE(S) REQUIRING SERVICE
- THE CONTAMINANTS THAT NEED TO BE REMOVED DURING SERVICE
- DO YOU HAVE A CURRENT PROCESS OF RECORD FOR CLEANING OR DO WE NEED TO DEVELOP ONE?

WE OFFER THREE • KINDS OF SERVICE

GOOD • FAST • CHEAP

YOU CAN PICK ANY TWO

★★★★★

GOOD & CHEAP WON'T BE FAST

GOOD & FAST WON'T BE CHEAP

FAST & CHEAP • WON'T BE GOOD

SAFE HAZARDOUS MATERIAL MANAGEMENT IS A UNIVERSAL RESPONSIBILITY



More technological advancements have occurred out of the Silicon Valley than anywhere else on the planet. The use and implementation of exotic materials and chemistries to achieve these marvels of science come with environmental impacts and responsibilities. **AEC** assists our clients with the management of their effluent waste products "Cradle to Grave". This is a critical responsibility that comes with technology development. **AEC** can help in this area... Contact us for more information.