

PRESENTATION BY CADILLAC FILTERS PVT LTD KOLKATA, WEST BENGAL, INDIA



ABOUT US



 42 YEARS OLD COMPANY INVOLVED IN MANUFACTURING OF INDUSTRIAL FILTERS AND HVAC EQUIPMENTS

IN HOUSE DESIGN TEAM WITH MANUFACTURING & TESTING FACILITY

- TURNKEY EXECUTOR OF CLEAN ROOM PROJECTS
- TURNKEY EXECUTOR OF BIO SAFETY LABORATORY, OPERATION THEATRE AND PHARMACEUTICAL PROJECTS
- SOLUTION PROVIDER OF HEATING VENTILATION AIR CONDITIONING (HVAC) SYSTEM
- IN HOUSE FACILITY OF CLEAN ROOM VALIDATION



CADILLAC MANUFACTURING FACILITY & CORPORATE OFFICE











IN HOUSE FACILITY OF CLEANROOM VALIDATION











EXPERIENCE WITH CERN

- IT HAS BEEN A WONDERFUL JOURNEY SO LONG WORKING WITH CERN AND IT'S A PLEASURE TO BE A PART OF THE CMS PROJECT WHICH IS OF GREAT IMPORTANCE TO PARTICLE PHYSICS.
- WE HAVE RECEIVED WORK CONTRACT FOR 2 NO'S OF CLEAN ROOMS ONE SMALLER AND ONE BIGGER (CR1 – 3615 SQ FT APPROX & CR2 – 1200 SQ FT APPROX)
- CR2 THE SMALLER CLEAN ROOM IS ALMOST READY INCLUDING THE HVAC.
 BMS IS NOW BEING INSTALLED.
- CR1 CLEAN ROOM THE INTERIOR WORK HAS STARTED HVAC WORK IS GOING ON ALONG WITH BMS INSTALLATION. THE REMAINING WORK WILL BE COMPLETED WITHIN 3RD WEEK OF APRIL.





STATUS OF SMALLER CLEAN ROOM (CR2)

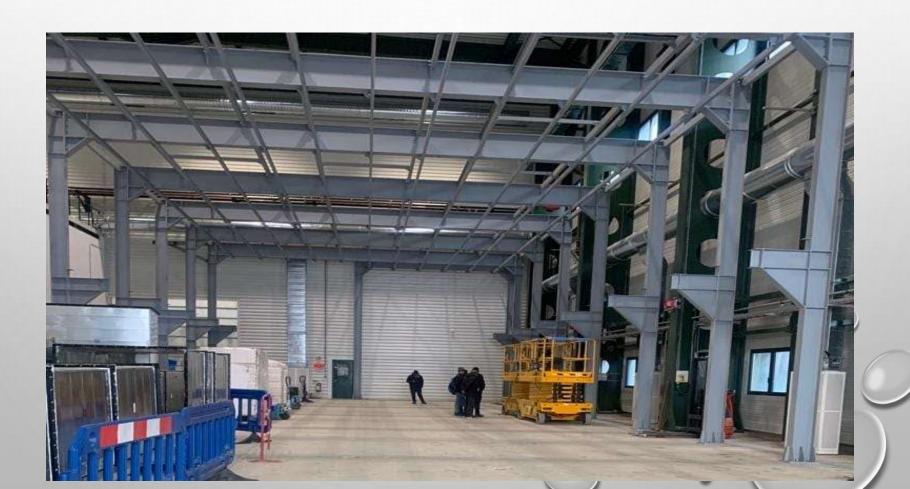








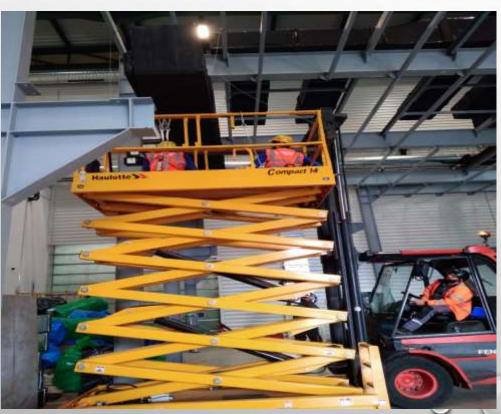
STRUCTURAL DESIGN DONE BY OUR INHOUSE TEAM IN ACCORDANCE WITH THE EUROPEAN CODE







DUCTING WORK AND THE CHILLER PIPILINE WORK OF HVAC IS GOING ON









CRT CLEAN ROOM CEILING AND WALL PANEL WORK GOING ON ALONG WITH LAYING OF CHANNELS FOR MOUNTING OF WALL PANELS





HVAC WORK IS IN PROGRESS

TWO OF THE MAJOR COMPONENTS CHILLER AND AIR HANDLING UNIT (AHU) WERE PROCURED FROM TRANE, FRANCE AND EUROCLIMA, SWITZERLAND.







CHILLER PIPELINE WORK AND THE PUMP CONNECTION IS GOING ON









CHALLENGES:

THE COMPLIANCE OF THE SAFETY NORMS AND CERTIFICATION IN ACCORDANCE WITH THE EUROPEAN STANDARD LIKE:

- A) WORKING AT HEIGHTS
- B) DRIVING OF MOBILE ELEVATED WORK PLATFORM (SCISSOR LIFT, CHERRY PACKER, ETC.)
- C) ELECTRICAL INSTALLATION
- D) WELDING
- E) PRVENTION PLAN SUBMISSION IN ACCORDANCE WITH THE EUROPEAN STANDARD.



CADILLAC COMPLIANCE WITH THE EUROPEAN STANDARD

- OUR PERSONS GOT TRAINED FROM THE FRENCH COMPANY GAME SYSTEM FOR WORKING AT HEIGHT, WORKING AT ELEVATED PLATFORM AND DRIVING OF THE INSTALLATION EQUIPMENT.
- OUR PERSONS ARE TRAINED BY ANOTHER FRENCH COMPANY CENTRE NATIONAL DE FORMATION EN SÉCURITÉ ET ENVIRONNEMENT (CNFSE) FROM PARIS. WE GOT THE CERTIFICATION FOR BO HO AND B1V B2V BC BR HO.
- OUR WELDER IS QUALIFIED WITH UNI EN ISO 9606-1:2017 STANDARD CERTIFIED BY AN ITALIAN COMPANY RT SERVICE S.R.L.

OUR PREVENTION PLAN SUBMITTED BEFORE START OF WORK GOT APPROVED IN ACCORDANCE TO THE EUROPEAN STANDARD.





CERTIFICATION RECEIVED FOR WORKING AT HEIGHT AND ELECTRICAL COMPLIANCE

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INDEPENDENT TEST QUALIFIED BY CADILLAC

- CERN HAS PERFORMED INDEPENDENT DUCT LEAK TEST OF THE DUCTING USED FOR THE CLEAN ROOM PROJECT AND THE TEST RESULT PUBLISHED WAS SATISFACTORY AND IN ACCORDANCE TO THE CERN STANDARD.
- OUR WELDING FOR CHILLER PIPELINES OF DIFFERENT DIA RANGING FROM NB100/ NB80 / NB65 / NB50 / NB40 GOT RADIOGRAPHIC TEST AND GOT PASSED CERN STRINGENT TEST IN A SINGLE GO.
- OUR PIPELINE INSTALLATION FOR THE CHILLER LINE ALSO GOT X RAY TEST AND IT ALSO QUALIFIED THE CERN INDEPENDENT TEST AND IS COMPLIANT IN A SINGLE GO.
- OUR ELECTRICAL PANELS AND INSTALLATION ALSO QUALIFIED THE CERN INSPECTION AND IS IN ACCORDANCE TO THE EUROPEN STANDARD. WE ARE ALSO USING HALOGEN FREE FIRE RETARDANT CABLE FOR ELCETRICAL WIRING.



CERTIFICATION RECEIVED FOR WELDING IN ACCORDANCE TO EUROPEN STANDARD UNI EN ISO

9606-1:2017

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SIMILAR PROJECT EXECUTED IN INDIA

 HANDED OVER A SIMILAR CLEAN ROOM OF ISO 7 (CLASS 10,000) IN NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH (NISER) WHO WILL DELIVER THEIR END PRODUCT TO CERN CMS.

 THIS FACILITY OF 1000 SQ FT IS DEVELOPED FOR SUPPLY OF "STRIP TRACKER FOR CMS PHASE 2 OUTER TRACKER UPGRADE PROGRAM"





SOME PICTURES OF NISER PROJECT FOR "STRIP TRACKER FOR CMS PHASE 2 OUTER TRACKER UPGRADE PROGRAM"





SOME PICTURES OF NISER PROJECT FOR "STRIP TRACKER FOR CMS PHASE 2 OUTER TRACKER UPGRADE PROGRAM"









HVAC PART OF NISER PROJECT FOR "STRIP TRACKER FOR CMS PHASE 2 OUTER TRACKER UPGRADE PROGRAM"









GLIMPSE OF SOME OF OUR EXECUTED PROJECTS OF SIMILAR CLASS OR BETTER CLASS IN INDIA





BOSE INSTITUTE (GOVT OF INDIA), KOLKATA, WEST BENGAL ISO – 7(CLASS 10000)









CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE-CSIR (GOVT OF INDIA) KOLKATA, WEST BENGAL ISO – 7(CLASS 10000)









CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE-CSIR (GOVT OF INDIA) KOLKATA, WEST BENGAL ISO – 6(CLASS 1000)









INDIAN INSTITUTE OF SCIENCE & EDUCATION RESEARCH (GOVT OF INDIA) KOLKATA, WEST BENGAL ISO - 7(CLASS 10000)









KOLKATA MUNICIPAL CORPORATION (GOVT OF WEST BENGAL)KOLKATA,WEST BENGAL ISO – 6, 7 & 8(CLASS 1000, 10000, 100000)









MAHARASHTRA UNIVERSITY(GOVT OFMAHARASHTRA)JALGAON, MAHARASHTRA ISO – 7(CLASS 10000)









IN HOUSE CLEANROOM VALIDATION SERVICE BY DEDICATED CADILLAC VALIDATION PERSONNEL











LIST OF CLIENT





























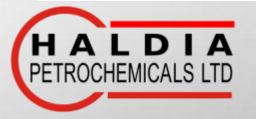
























THANK YOU