

EN | HR

A photograph of two medical professionals in blue scrubs and hairnets standing in a cleanroom hallway. The person on the left is wearing a pink hairnet, and the person on the right is wearing a white hairnet. They are standing in front of a glass door. The background shows a cleanroom environment with green walls and a ceiling with recessed lighting. A computer monitor and a cart are visible in the background.

REFERENCE BOOK

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About Us

45 years of experience

Klimaoprema was founded in 1975.

40.000 m² production space

Headquarters is located in Samobor, Croatia. Production sites and warehouse is located in Samobor and Nova Gradiška, both sites in Croatia, EU.

470 employees

Our team is made up of excellent professionals, mostly engineers, architects and designers, electricians, technicians, installers and skilled employees.

50 countries in our reference list

Our products are certified and delivered around the world.

World production lines

Production processes are robotized and automated. The most modern and efficient cleanroom panel production line in the world.

Technology & Innovation

Cooperation with University of Mechanical Engineering and other scientific institutions. Test laboratory, automated production processes, ERP information system, ISO 9001 for Quality Assurance System, ISO 13485 for design, production, installation, validation and maintenance of products for cleanrooms and operating rooms, HRN EN ISO 14001 for Environmental Management Systems, HRN EN ISO 45001 for Occupational Health and Safety Management Systems, make Klimaoprema technologically superior company, recognized in the world market.

“The success of the company is based on personal responsibility, investment in human resources, investment in new technologies and products, and improving business processes, to create a sound basis for achieving excellent results and globalizing the company.”

Klimaoprema d.d.



0 nama

45 godina iskustva

Klimaoprema je osnovana 1975.g.

40.000 m² proizvodnog prostora

Sjedište tvrtke je u Samoboru. Proizvodni pogon i skladišta nalaze se na dvije lokacije, u Samoboru i Novoj Gradiški.

470 djelatnika

Naš tim čine vrhunski stručnjaci, većinom inženjeri, arhitekti i projektanti, električari, tehničari, monter i kvalificirani djelatnici.

50 zemalja na našoj referentnoj listi

Proizvodi su certificirani te u skladu sa svjetskim normama isporučeni u više od 50 zemalja svijeta.

Svjetske proizvodne linije

Proizvodni procesi su automatski i robotizirani. Suvremena linija za proizvodnju cleanroom panela najmodernija je takva linija u svijetu.

Tehnologija & Inovacije

Suradujemo sa Fakultetom strojarstva i brodogradnje te mnogim znanstvenim institucijama. Ispitni laboratorij, automatski proizvodni procesi, ERP informacijski sustav, ISO 9001 Sustavi upravljanja kvalitetom, ISO 13485 za projektiranje, proizvodnju, montažu, validaciju i održavanje proizvoda za čiste prostore i operacijske dvorane, HRN EN ISO 14001 Sustavi upravljanja okolišem, HRN EN ISO 45001 Sustavi upravljanja zaštitom zdravlja i sigurnosti na radu, čine Klimaopremu tehnološki superiornom tvrtkom, prepoznatom na svjetskom tržištu.

„Uspjeh tvrtke temelji se na osobnoj odgovornosti, ulaganju u ljudske resurse, ulaganju u nove tehnologije i proizvode te poboljšanju proizvodnih procesa, stvarajući tako čvrstu osnovu za postizanje izvrsnih rezultata i globalizaciju tvrtke.“

Klimaoprema d.d.





BELUPO Koprivnica, Croatia

**Pharmaceutical production of non-sterile and sterile semi-solid, solid and liquid forms
Farmaceutika - proizvodnja nesterilnih i sterilnih polukrutih, krutih i tekućih oblika**

Cleanrooms, total area 10.000 m².

Klimaoprema carried out design, engineering and architecture work.

Supplied equipment for cleanrooms includes panel systems (walls and walkable ceilings), cleanroom doors (one and two-leaf) with interlock systems, sliding doors, roll-up doors, cleanroom windows and glass walls, bumpers, laminar flow devices, weighing/containment booths, pass-boxes, dust collector, cleanroom furniture, cleanrooms in Ex atmosphere, validation.

Čisti prostori površine 10.000 m².

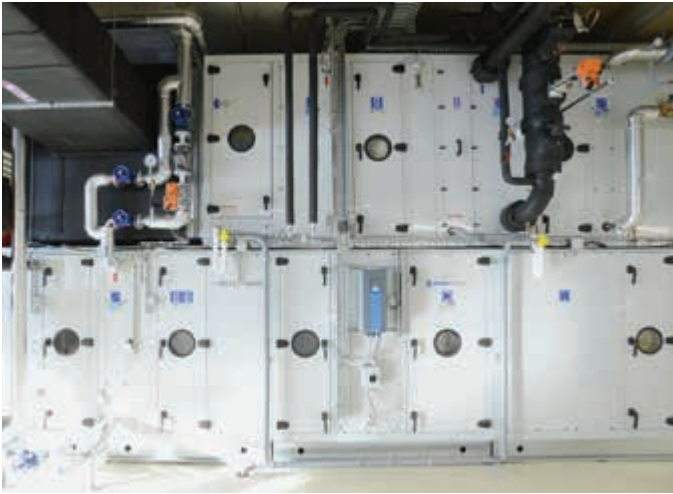
Klimaoprema je izvela projektiranje, inženjering i arhitekturu.

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i prohodne stropove), cleanroom vrata (jednokrila i dvokrila) sa interlock sistemima, klizna vrata, rolo vrata, cleanroom prozore i staklene stijene, odbojnice, laminarne uređaje, komore za vaganje/otprašivanje, prolazne komore, otprašivač, cleanroom namještaj, čiste prostore u Ex izvedbi, validacije.







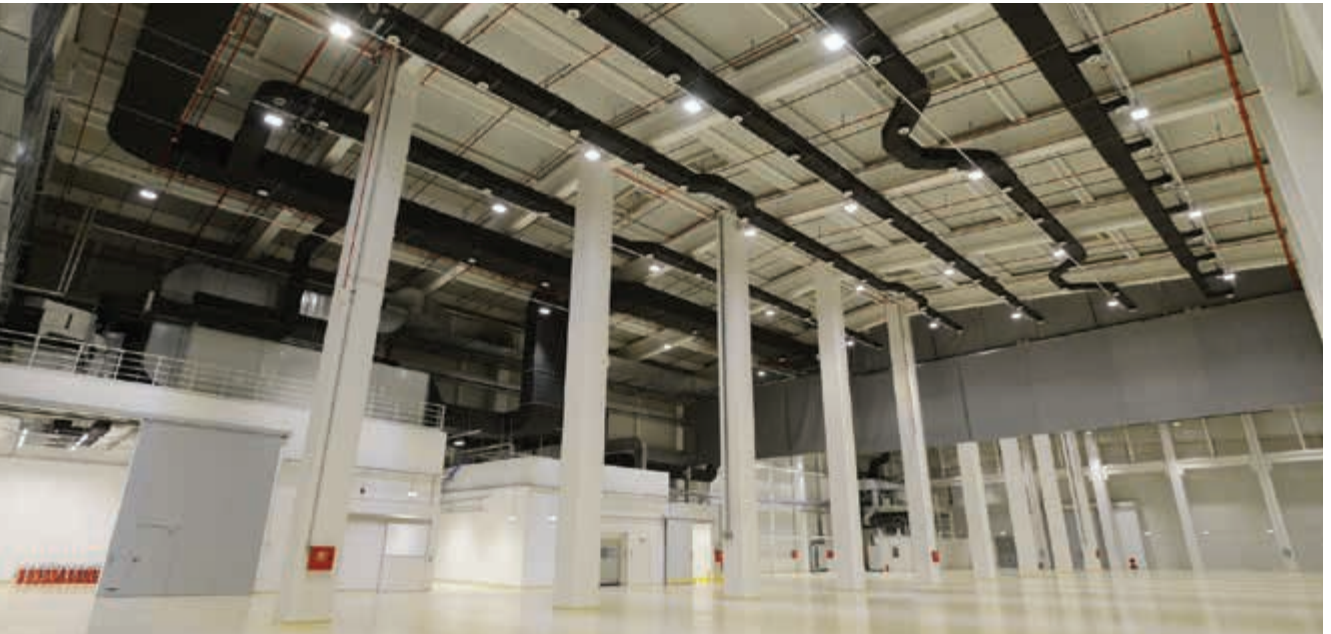


MECHANICAL INSTALLATIONS HVAC system

Klimaoprema designed HVAC installations with air-handling units and associated air distribution system which includes air regulation and exhaust elements with integrated HEPA filters. Building management system (BMS) includes complete control of parameters such as: temperature, humidity, air volume, interlock systems, etc. All phenomena related to the regulation of these parameters is recorded.

STROJARSKE INSTALACIJE HVAC sustav

Klimaoprema je projektirala HVAC instalacije koje uključuju klima komore sa pridruženim sistemom razvoda zraka te regulacijske i distributivne elemente sa ugrađenim HEPA filterima. Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru: temperatura, vlažnost, protoci zraka, interlock sistemi i dr. Svi parametri se bilježe.





















ULAZ MATERIJALA C

ULAZ MATERIJALA

ULAZ

ULAZ

JGL Pharma Valley Rijeka, Croatia

Pharmaceutical production | Farmaceutika

Cleanrooms, total area 3.700 m², GMP class A, B, C, D. Klimaoprema carried out design and architecture work. Supplied equipment for cleanrooms includes panel systems (walls and walkable ceilings), cleanroom doors (one and two-leaf) with interlock systems, sliding doors, roll-up doors, cleanroom windows and glass walls, laminar flow devices, weighing/containment booths, pass-boxes, sprinkler system, complete HVAC installations with air-handling units, cleanroom and laboratory furniture, bumpers, automatic regulation-MUR, DDC/BMS, validation.

Čisti prostori površine 3.700 m², GMP klasa A, B, C, D. Klimaoprema je izvela projektiranje i arhitekturu. Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i prohodne stropove), cleanroom vrata (jednokrila i dvokrila) sa interlock sistemima, klizna vrata, rolo vrata, cleanroom prozore i staklene stijene, laminarne uređaje, komore za vaganje/otprašivanje, prolazne komore, prskalice, kompletne HVAC instalacije sa klima komorama, cleanroom i laboratorijski namještaj, odbojnice, automatsku regulaciju-MUR, kalibrirane jake i slabe struje (DDC/BMS), validacije.





















PROJECT

Russia

Pharmaceutical production of solid oral forms Farmaceutika – suhi oralni oblici

Cleanrooms, total area 7.000 m², GMP class D, Russian standards zone 2

Supplied equipment for cleanrooms includes panel systems (walls and walkable ceilings), cleanroom doors (one and two-leaf) with interlock systems, sliding doors, cleanroom windows and glass walls, mist showers, weighing/containment booths, bumpers, complete HVAC installations with air-handling units, cleanroom and laboratory furniture.

Čisti prostori površine 7.000 m², GMP klasa D, Ruski standardi zona 2

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i prohodne stropove), cleanroom vrata (jednokrila i dvokrila) sa interlock sistemima, klizna vrata, cleanroom prozore i staklene stijene, maglične tuševe, komore za vaganje/otprašivanje, odbojnice, kompletne HVAC instalacije sa klima komorama, cleanroom i laboratorijski namještaj.

















AMGEN Dublin, Ireland

Supplied equipment for cleanrooms includes wall panel systems, cleanroom doors and glass walls.

Isporučena oprema za čiste prostore uključuje zidne panelne sisteme, cleanroom okretna vrata i staklene stijene.





CEVA-PHYLAXIA Budapest, Hungary

Pharmaceutical production | Farmaceutika

Supplied equipment for cleanrooms includes laminar flow devices of special performances.

Isporučena oprema za čiste prostore uključuje specijalne izvedbe laminarnih uređaja.





APIPHARMA

Našice, Croatia

Pharmaceutical production of natural pharmaceutical products
Farmaceutika – proizvodnja prirodnih farmaceutskih proizvoda

Cleanrooms, total area 1.500 m².

Klimaoprema carried out design, engineering and architecture work.

Supplied equipment for cleanrooms includes antibacterial panel systems (walls and ceilings), windows, glass walls, bumpers, floors, cleanroom doors (one and two-leaf) with interlock systems, sliding doors, air showers and cleanroom furniture.

Čisti prostori površine 1.500 m².

Klimaoprema je izvela projektiranje, inženjering i arhitekturu.

Isporučena oprema za čiste prostore uključuje antibakterijske panelne sisteme (zidove i stropove), prozore, staklene stijene, odbojnice, podove, cleanroom vrata (jednokrilna i dvokrilna) sa interlock sistemima, klizna vrata, zračne tuševe i cleanroom namještaj.







MECHANICAL INSTALLATIONS HVAC system

Klimaoprema designed HVAC installations with air-handling units and associated air distribution system which includes air regulation and exhaust elements with integrated HEPA filters. Building management system (BMS) includes complete control of parameters such as: temperature, humidity, air volume, interlock systems, etc. All phenomena related to the regulation of these parameters is recorded.

STROJARSKE INSTALACIJE HVAC sustav

Klimaoprema je projektirala HVAC instalacije koje uključuju klima komore sa pridruženim sistemom razvoda zraka te regulacijske i distributivne elemente sa ugrađenim HEPA filterima. Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru: temperatura, vlažnost, protoci zraka, interlock sistemi i dr. Svi parametri se bilježe.









PLIVA, TEVA Group Zagreb, Croatia

**Pharmaceutical production of solid oral forms
Farmaceutika – proizvodnja čvrstih oralnih
oblika**

Cleanrooms, total area 4.500 m².

Supplied equipment for cleanrooms includes panel systems (walls and ceilings), cleanroom windows and glass walls, bumpers, floors, lights, cleanroom doors (one and two-leaf) with interlock systems, sliding doors, roll-up doors, mist showers, cleanroom furniture.

Čisti prostori površine 4.500 m².

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i stropove), cleanroom prozore i staklene stijene, odbojnice, podove, rasvjetna tijela, cleanroom vrata (jednokrila i dvokrila) sa interlock sistemima, klizna vrata, rolo vrata, maglične tuševe, cleanroom namještaj.







MECHANICAL INSTALLATIONS

HVAC system

Klimaoprema designed HVAC installations with air-handling units and associated air distribution system which includes air regulation and exhaust elements with integrated HEPA filters. Building management system (BMS) includes complete control of parameters such as: temperature, humidity, air volume, interlock systems, etc. All phenomena related to the regulation of these parameters is recorded.

STROJARSKE INSTALACIJE

HVAC sustav

Klimaoprema je projektirala HVAC instalacije koje uključuju klima komore sa pridruženim sistemom razvoda zraka te regulacijske i distributivne elemente sa ugrađenim HEPA filterima. Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru: temperatura, vlažnost, protoci zraka, interlock sistemi i dr. Svi parametri se bilježe.



HVAC systems
HVAC sustav

Electrical installations
Električne instalacije

Water supply
Voda

Drainage systems
Odvodnja







RUĐER MEDIKOL CIKLOTRON

Zagreb, Croatia

Research laboratory – Reconstruction of building Cyclotron

Laboratorij - Rekonstrukcija građevine Ciklotron

Cleanrooms, total area 500 m², GMP class C, D.
Klimaoprema carried out design, engineering and mechanical installations.

Supplied equipment for cleanrooms includes panel systems (walls and ceilings), cleanroom doors (one and two-leaf) with interlock systems, cleanroom windows, pass-boxes, complete HVAC installations with air-handling units and air distribution system, BMS, validation.

Čisti prostori površine 500 m², GMP klasa C, D.

Klimaoprema je izvela projektiranje, inženjering i strojarske instalacije.

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i stropove), cleanroom vrata (jednokrilna i dvokrilna) sa interlock sistemima, cleanroom prozore, prolazne komore, kompletne HVAC instalacije sa klima komorama i pridruženim sistemom razvoda zraka, BMS, validacije.









ABIPHARM

Tbilisi, Georgia

Pharmaceutical production of antibiotics Farmaceutika – proizvodnja antibiotika

Cleanrooms, total area 400 m², GMP class C, D.

Supplied equipment for cleanrooms includes panel systems (walls and ceilings), cleanroom doors (one and two-leaf) with interlock systems, sliding doors, cleanroom windows, laminar flow devices, microbiological safety cabinets, weighing/containment booths, pass-boxes, cleanroom furniture and small inventory. Complete HVAC installations with air-handling units and air distribution system, BMS, validation.

Čisti prostori površine 400 m², GMP klasa C, D.

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i stropove), cleanroom vrata (jednokrilna i dvokrilna) sa interlock sistemima, klizna vrata, cleanroom prozore, laminarne uređaje, mikrobiološke zaštitne kabinete, komore za vaganje/otprašivanje, prolazne komore, cleanroom namještaj i sitan inventar. Kompletne HVAC instalacije sa klima komorama i pridruženim sistemom razvoda zraka, BMS, validacije.









EMIRATES INTERNATIONAL HOSPITAL

Al-Ain, United Arab Emirates

Inpatient pharmacy, Narcotic room Bolnička ljekarna

Cleanrooms

Supplied equipment for cleanrooms includes panel systems (walls and walkable ceilings), cleanroom doors with interlock systems, cleanroom windows, cleanroom furniture, cleanroom lamps, filtration and exhaust elements.

Čisti prostori

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i prohodne stropove), cleanroom vrata sa interlock sistemima, cleanroom prozore, cleanroom namještaj, cleanroom rasvjetna tijela, filtracijske i od-sisne elemente.









HAJDUK PLASTIC PACKAGING Novi Marof, Croatia

**Production of packaging for medical
and food products**
**Proizvodnja plastične ambalaže za
medicinske i prehrambene proizvode**

Cleanrooms, total area 200 m², GMP class D.
Klimaprema carried out design, engineering and mechanical installations.

Supplied equipment for cleanrooms includes panel systems (walls and ceilings), windows, floors, lights, cleanroom doors (one and two-leaf) with interlock systems, cleanroom furniture and small inventory.

Čisti prostori površine 200 m², GMP klasa D.
Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i stropove), cleanroom prozore, podove, rasvjetna tijela, cleanroom vrata (jednokrila i dvo-krilna) sa interlock sistemima i sitan namještaj.





MECHANICAL INSTALLATIONS

HVAC system

Klimaoprema designed HVAC installations with air-handling units and associated air distribution system which includes air regulation and exhaust elements with integrated HEPA filters. Building management system (BMS) includes complete control of parameters such as: temperature, humidity, air volume, interlock systems, etc. All phenomena related to the regulation of these parameters is recorded.

STROJARSKE INSTALACIJE

HVAC sustav

Klimaoprema je projektirala HVAC instalacije koje uključuju klima komore sa pridruženim sistemom razvoda zraka te regulacijske i distributivne elemente sa ugrađenim HEPA filterima. Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru: temperatura, vlažnost, protoci zraka, interlock sistemi i dr. Svi parametri se bilježe.





Document posted on the biosafety cabinet front panel.

Warning sign on the biosafety cabinet front panel.

LAF2030

07 05 14
BIOHAZARD WASTE
DO NOT REUSE
FOR OTHER PURPOSES

LEK, SANDOZ Mengeš, Slovenia

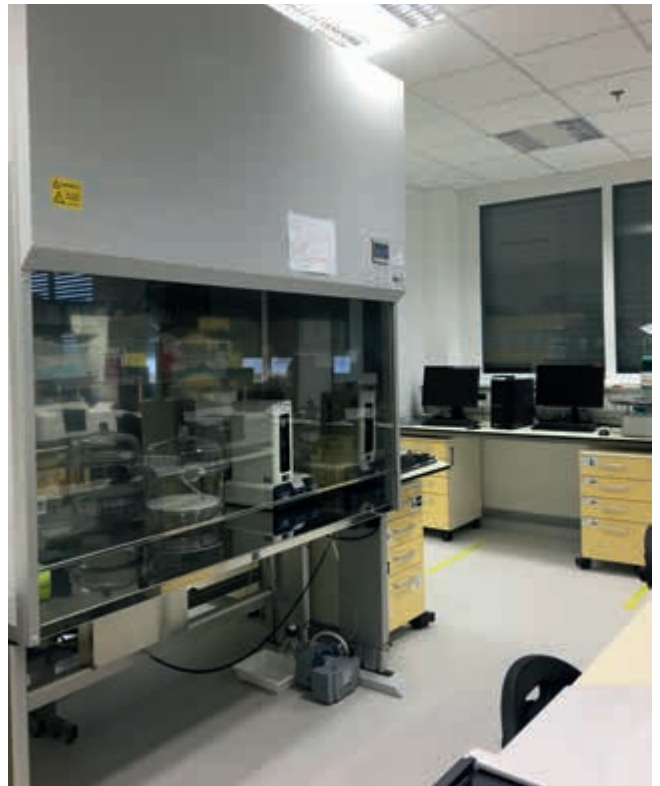
Pharmaceutical production | Farmaceutika

Supplied equipment for cleanrooms includes laminar flow devices of special performances, microbiological safety cabinets class II according to EN 12469, validation (IQ, OQ).

Isporučena oprema za čiste prostore uključuje specijalne izvedbe laminarnih uređaja, mikrobiološke zaštitne kabine klase II prema EN 12469, validacije (IQ, OQ).









PLIVA, TEVA Group Zagreb, Croatia

Pharmaceutical production Farmaceutika

Cleanrooms

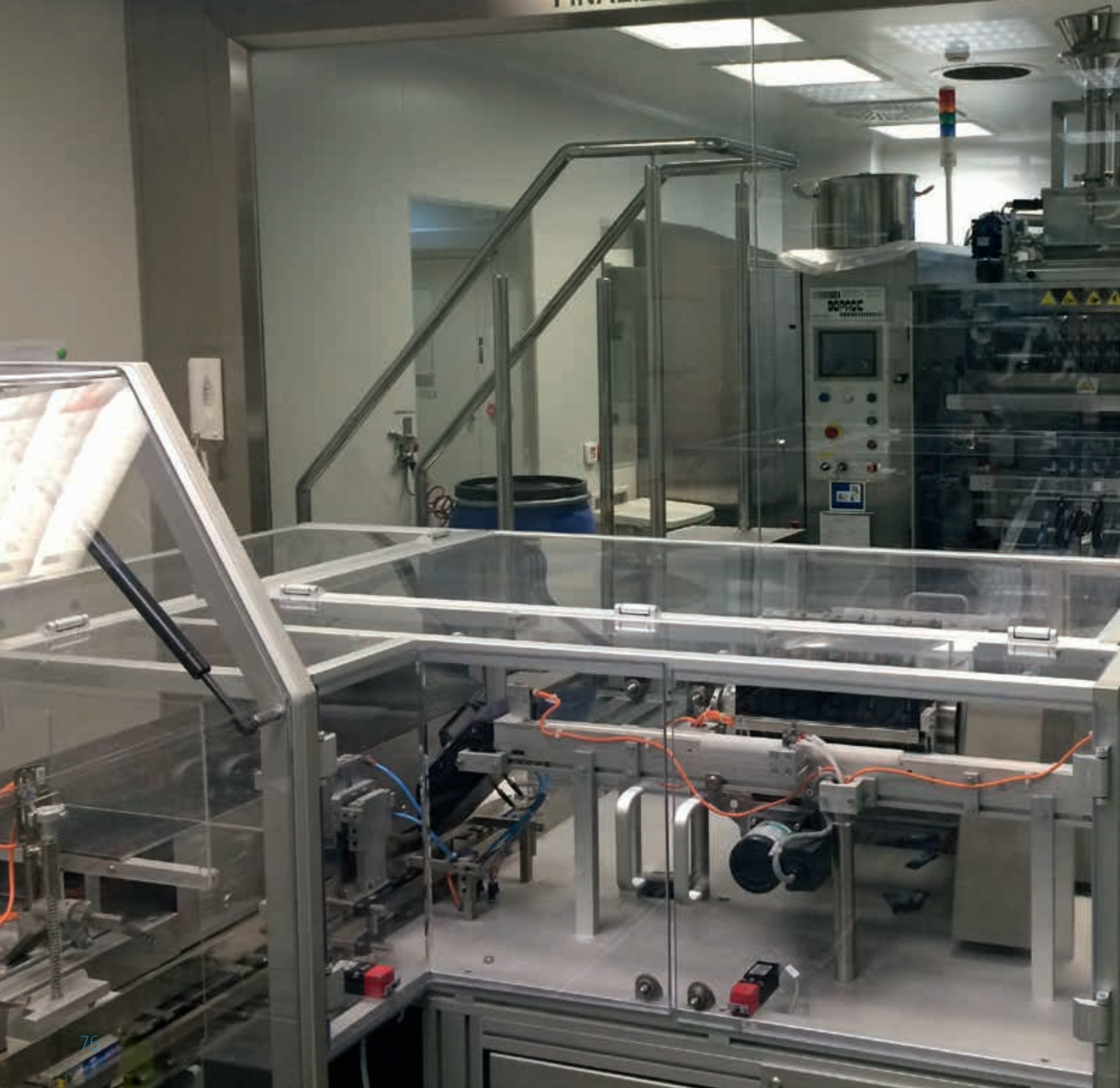
Supplied equipment for cleanrooms includes panel systems (walls and ceilings), cleanroom doors with interlock systems, cleanroom windows, lights, weighing/containment booths, cleanroom furniture.

Čisti prostori

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i stropove), cleanroom vrata sa interlock sistemima, cleanroom prozore, rasvjetna tijela, komore za vaganje/otprašivanje, cleanroom namještaj.



FINALIZACIJA BLISTER 2



JGL Rijeka, Croatia

Pharmaceutical production of solid oral forms Farmaceutika – proizvodnja čvrstih oblika

Cleanrooms, total area 200 m², GMP class C, D.

Klimaoprema carried out design, engineering and mechanical installations.

Supplied equipment for cleanrooms includes panel systems (walls and walkable ceilings), cleanroom doors (one and two-leaf) with interlock systems, sliding doors, cleanroom windows and glass walls, floors, lights, weighing/containment booths. Complete HVAC installations with air-handling units and air distribution system, BMS, validation.

Čisti prostori površine 200 m², GMP klasa C, D.

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i prohodne stropove), cleanroom vrata (jednokrila i dvokrilna) sa interlock sistemima, klizna vrata, cleanroom prozore i staklene stijene, podove, rasvjetna tijela, komore za vaganje/otprašivanje. Kompletne HVAC instalacije sa klima komorama i pridruženim sistemom razvoda zraka, BMS, validacije.









ACG LUKAPS Ludbreg, Croatia

Pharmaceutical production of solid oral forms Farmaceutika – proizvodnja čvrstih oblika

Cleanrooms, total area 2.000 m².

Klimaoprema carried out architecture work and GMP consulting.

Supplied equipment for cleanrooms includes panel systems (walls and ceilings), cleanroom doors with interlock systems, roll-up doors, cleanroom windows, lights, weighing/containment booths, filtration and exhaust elements.

Čisti prostori površine 2.000 m².

Klimaoprema je izvela arhitektonsko rješenje te GMP konzultacije.

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i stropove), cleanroom vrata sa interlock sistemima, rolo vrata, cleanroom prozore, cleanroom rasvjetna tijela, komore za vaganje/otprašivanje, filtracijske i odsisne elemente.











YASENKA Vukovar, Croatia

Pharmaceutical production | Farmaceutika

Cleanrooms, total area 1.300 m².

Supplied equipment for cleanrooms includes panel systems (walls and ceilings), cleanroom doors (one and two-leaf) with interlock systems, sliding doors, cleanroom windows and glass walls, floors, lights, pass-boxes, air distribution system.

Čisti prostori površine 1.300 m².

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i stropove), cleanroom vrata (jednokrila i dvokrila) sa interlock sistemima, klizna vrata, cleanroom prozore i staklene stijene, podove, rasvjetna tijela, prolazne komore, sustav razvoda zraka.











GENERA

Zagreb, Croatia

Pharmaceutical production of veterinary medicinal products Farmaceutika – proizvodnja lijekova za veterinu

Supplied equipment for cleanrooms includes laminar flow booths and hoods.

Klimaoprema designed HVAC installations with air-handling units and associated air distribution system which includes air regulation and exhaust elements with integrated HEPA filters.

Isporučene su laminarne kabine.

Klimaoprema je projektirala HVAC instalacije koje uključuju klima komore sa pridruženim sistemom razvoda zraka te regulacijske i distributivne elemente sa ugrađenim HEPA filterima.





GENTIPHARM, Prishtine, Kosovo

**Pharmaceutical production of liquid,
semi-solid and solid forms
Farmaceutika – proizvodnja tekućih,
polučvrstih i čvrstih oblika**

Cleanrooms, total area 470 m².

Supplied equipment for cleanrooms includes panel systems (walls and ceilings), cleanroom doors (one and two-leaf) with interlock systems, sliding doors, cleanroom windows and glass walls, pass-boxes, small inventory.

Čisti prostori površine 470 m².

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i stropove), cleanroom vrata (jednokrila i dvokrila) sa interlock sistemima, klizna vrata, cleanroom prozore i staklene stijene, prolazne komore, sitan inventar.







MECHANICAL INSTALLATIONS

HVAC system

Klimaoprema designed HVAC installations with air-handling units and associated air distribution system which includes air regulation and exhaust elements with integrated HEPA filters. Building management system (BMS) includes complete control of parameters such as: temperature, humidity, air volume, interlock systems, etc. All phenomena related to the regulation of these parameters is recorded.

Cleanrooms are validated by Klimaoprema.

STROJARSKE INSTALACIJE

HVAC sustav

Klimaoprema je projektirala HVAC instalacije koje uključuju klima komore sa pridruženim sistemom razvoda zraka te regulacijske i distributivne elemente sa ugrađenim HEPA filterima. Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru: temperatura, vlažnost, protoci zraka, interlock sistemi i dr. Svi parametri se bilježe.

Klimaoprema je validirala čiste prostore.





FARMAVITA

Sarajevo, Bosnia and Herzegovina

Pharmaceutical production | Farmaceutika

Cleanrooms, total area 1.500 m².

Klimaoprema carried out design, engineering and mechanical installations.

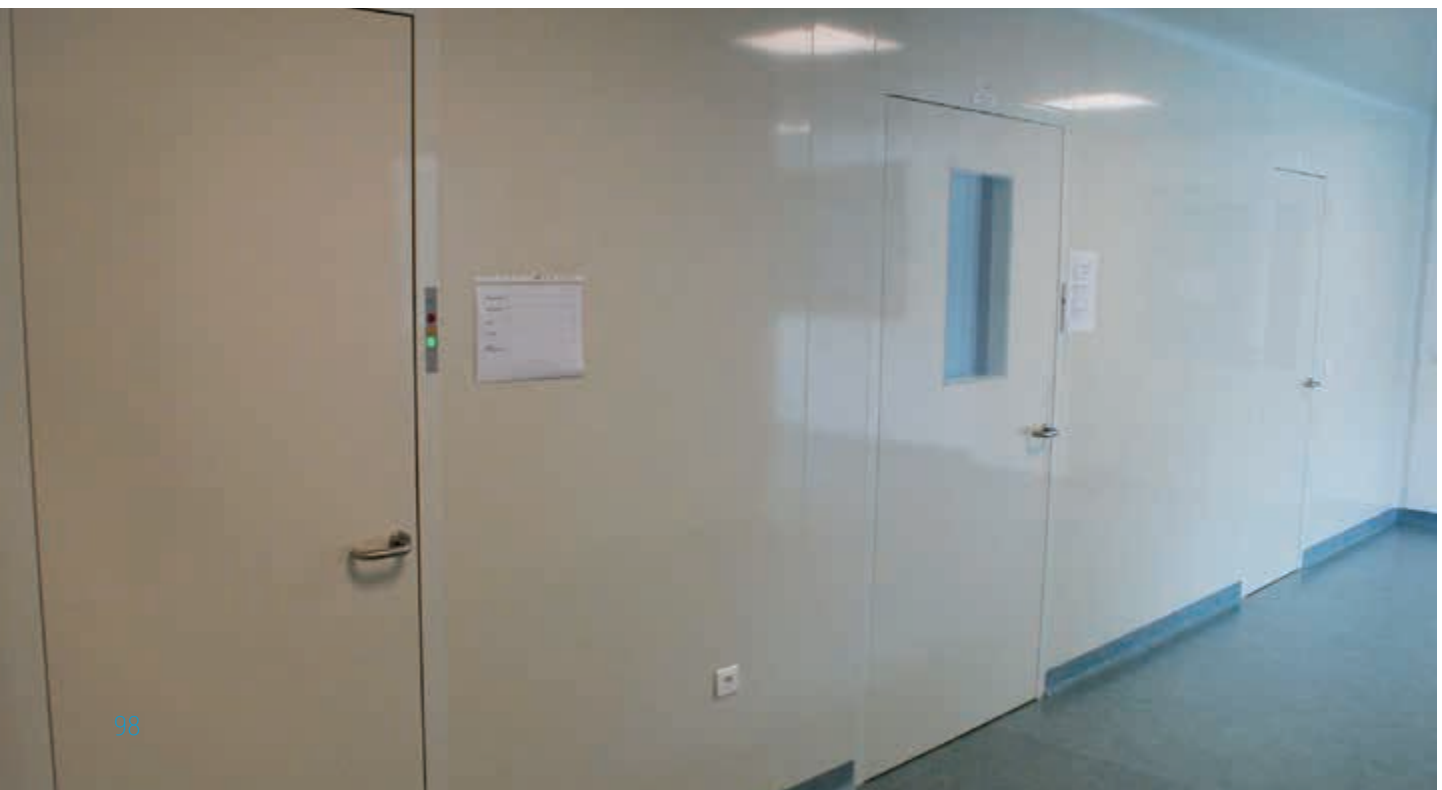
Supplied equipment for cleanrooms includes panel systems (walls and ceilings), cleanroom windows and glass walls, floors, lights, cleanroom doors (one and two-leaf) with interlock systems, sliding doors, cleanroom furniture.

Čisti prostori površine 1.500 m².

Klimaoprema je izvela projektiranje, inženjering i strojarske instalacije.

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i stropove), cleanroom prozore i staklene stijene, podove, rasvjetna tijela, cleanroom vrata (jednokrila i dvokrila) sa interlock sistemima, klizna vrata, cleanroom namještaj.







MECHANICAL INSTALLATIONS HVAC system

Klimaoprema designed HVAC installations with air-handling units and associated air distribution system which includes air regulation and exhaust elements with integrated HEPA filters. Building management system (BMS) includes complete control of parameters such as: temperature, humidity, air volume, interlock systems, etc. All phenomena related to the regulation of these parameters is recorded.

STROJARSKE INSTALACIJE HVAC sustav

Klimaoprema je projektirala HVAC instalacije koje uključuju klima komore sa pridruženim sistemom razvoda zraka te regulacijske i distributivne elemente sa ugrađenim HEPA filterima. Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru: temperatura, vlažnost, protoci zraka, interlock sistemi i dr. Svi parametri se bilježe.





HOSPIRA

Savski Marof, Croatia

Pharmaceutical production and Microbiological laboratory Farmaceutika i Mikrobiološki laboratorij

Cleanrooms, total area 500 m², GMP class B, C, D.
Supplied equipment for cleanrooms includes panel systems (walls and ceilings), cleanroom doors (one and two-leaf) with interlock systems, sliding doors, cleanroom windows, floors, lights and cleanroom furniture. Microbiological laboratory is supplied with laminar flow hoods and booths (class A) and microbiological safety cabinets.

Čisti prostori površine 500 m², GMP klasa B, C, D.
Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i stropove), cleanroom vrata (jednokrilna i dvokrilna) sa interlock sistemima, klizna vrata, cleanroom prozore, podove, rasvjetna tijela i cleanroom namještaj.
Za potrebe mikrobiološkog laboratorija isporučeni su laminarni zaštitni uređaji (klasa A) i mikrobiološki zaštitni kabineti.







MECHANICAL INSTALLATIONS

HVAC system

Klimaoprema designed HVAC installations with air-handling units and associated air distribution system which includes air regulation and exhaust elements with integrated HEPA filters. Building management system (BMS) includes complete control of parameters such as: temperature, humidity, air volume, interlock systems, etc. All phenomena related to the regulation of these parameters is recorded. Cleanrooms are validated by Klimaoprema.

STROJARSKE INSTALACIJE

HVAC sustav

Klimaoprema je projektirala HVAC instalacije koje uključuju klima komore sa pridruženim sistemom razvoda zraka te regulacijske i distributivne elemente sa ugrađenim HEPA filterima. Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru: temperatura, vlažnost, protoci zraka, interlock sistemi i dr. Svi parametri se bilježe.

Klimaoprema je validirala čiste prostore.





PHARMAS

Popovača, Croatia

Pharmaceutical production of generic medicaments

Farmaceutika – proizvodnja generičkih lijekova

Cleanrooms, total area 150 m², GMP class D.

Supplied equipment for cleanrooms includes panel systems (walls and ceilings), cleanroom doors (one and two-leaf) with interlock systems, sliding doors, cleanroom windows, floors, lights, pass-boxes, laminar flow hoods and booths, microbiological safety cabinets and cleanroom furniture.

Čisti prostori površine 150 m², GMP klasa D.

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i stropove), cleanroom vrata (jednokrila i dvokrila) sa interlock sistemima, klizna vrata, cleanroom prozore, podove, rasvjetna tijela, prolazne komore, laminarne uređaje, mikrobiološke zaštitne kabinete i cleanroom namještaj.





PLIVA, SMJ 1790 Savski Marof, Croatia

Biotechnology | Biotehnologija

Cleanrooms, total area 1.200 m², GMP class C, D.

Supplied equipment for cleanrooms includes panel systems (walls and ceilings), cleanroom doors (one and two-leaf) with interlock systems, sliding doors, cleanroom windows, floors, lights, laminar flow hoods and booths.

Klimaoprema designed HVAC installations with air-handling units and associated air distribution system which includes air regulation and exhaust elements with integrated HEPA filters. Building management system (BMS) includes complete control of parameters such as: temperature, humidity, air volume, interlock systems, etc. All phenomena related to the regulation of these parameters is recorded.

Čisti prostori površine 1.200 m², GMP klasa C, D.

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i stropove), cleanroom vrata (jednokrilna i dvokrilna) sa interlock sistemima, klizna vrata, cleanroom prozore, podove, rasvjetna tijela, laminarne kabine i kabinete.

Klimaoprema je projektirala HVAC instalacije koje uključuju klima komore sa pridruženim sistemom razvoda zraka te regulacijske i distributivne elemente sa ugrađenim HEPA filterima. Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru: temperatura, vlažnost, protoci zraka, interlock sistemi i dr. Svi parametri se bilježe.





TBC Laboratory Zagreb, Croatia

Supplied equipment for cleanrooms includes panel systems (walls and ceilings), cleanroom doors (one and two-leaf) with interlock systems, cleanroom windows, pass-boxes, laminar flow hoods, air regulation and exhaust elements with integrated HEPA filters.

Isporučena oprema za čiste prostore uključuje panelne sisteme (zidove i stropove), cleanroom vrata (jednokrila i dvokrila) sa interlock sistemima, cleanroom prozore, prolazne komore, laminarne kabinete te regulacijske i distributivne elemente sa ugrađenim HEPA filterima.

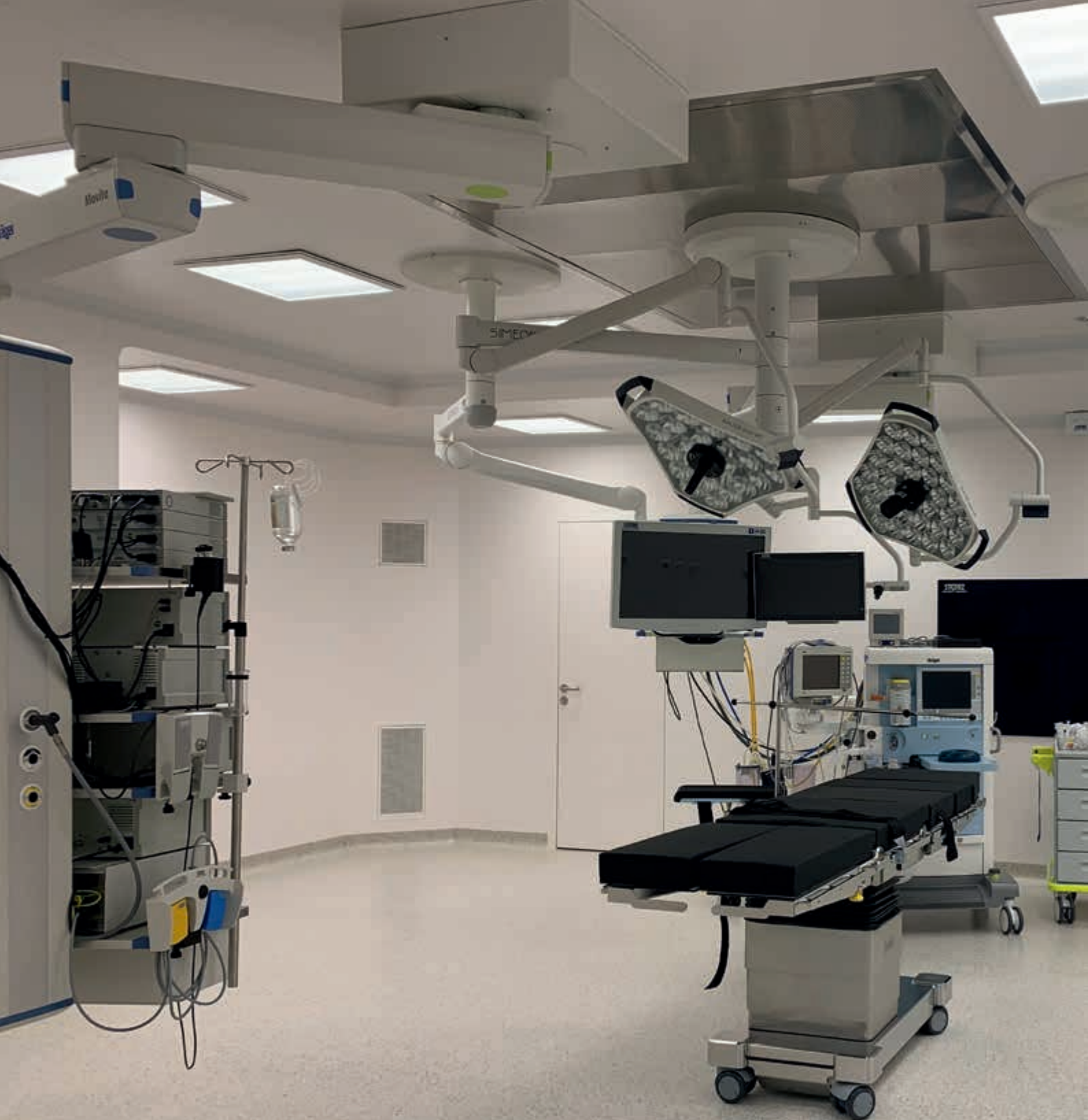






OPERATING ROOMS





PROJECT Zagreb, Croatia

Operation block

Supplied equipment includes antibacterial panel systems (walls and ceilings), windows (with blinds), hinged and sliding doors, operating ceilings SIP, clean-room furniture (surgical scrub sinks, cabinets), air regulation and exhaust elements with integrated HEPA filters.

Building management system (BMS) includes complete control of parameters such as: temperature, humidity, air volume, etc. All phenomena related to the regulation of these parameters is recorded.

Operacijski blok

Isporučena oprema uključuje antibakterijske panelne sisteme (zidove i stropove), prozore (sa žaluzinama), okretna i klizna vrata, operacijske stropove SIP, clean-room namještaj (kirurška korita, ormari), regulacijske i distributivne elemente sa ugrađenim HEPA filterima. Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru: temperatura, vlažnost, protoci zraka i dr. Svi parametri se bilježe.









COUNTY HOSPITAL ČAKOVEC ŽUPANIJSKA BOLNICA Čakovec, Croatia

**Cardiology, Traumatology, Orthopaedics,
Endoscopy, Gynecology, ENT, ER
Kardiologija, Traumatologija, Ortopedija,
Endoskopija, Ginekologija, ORL, Hitna**

Operation block, total area 780 m².

Operation block consists of 6 operating rooms, sterile hallway, awakening room and surgeon preparation room. Supplied equipment includes antibacterial panel systems (walls and ceilings), windows (with blinds), hinged and sliding doors, operating ceilings ELIPSO, cleanroom furniture (surgical scrub sinks, cabinets), air regulation and exhaust elements with integrated HEPA filters. Two operating rooms are radiation protected. Building management system (BMS) includes complete control of parameters such as: temperature, humidity, air volume, interlock systems, etc. All phenomena related to the regulation of these parameters is recorded. Operation block is validated by Klimaoprema.

Operacijski blok površine 780 m².

Operacijski blok se sastoji od 6 operacijskih dvorana, sterilnog hodnika, soba za buđenje i sobe za pripremu kirurga. Isporučena oprema uključuje antibakterijske panelne sisteme (zidove i stropove), prozore (sa žaluzinama), okretna i klizna vrata, operacijske stropove ELIPSO, cleanroom namještaj (kirurška korita, ormare), regulacijske i distributivne elemente sa ugrađenim HEPA filterima. Dvije operacijske dvorane su izvedene sa otpornosti na zračenje.

Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru: temperatura, vlažnost, protoci zraka, interlock sistemi i dr. Svi parametri se bilježe. Klimaoprema je validirala operacijski blok.









WEST BAY HEALTH CENTER Doha, Qatar



Operation block, 3 operating rooms.

Supplied equipment includes antibacterial panel systems (walls and ceilings) made out of stainless steel, windows, operating ceilings SIP, air regulation and exhaust elements with integrated HEPA filters.

Operacijski blok, 3 operacijske dvorane.

Isporučena oprema uključuje antibakterijske panelne sisteme (zidove i stropove) izrađene iz nehrđajućeg čelika, prozore, operacijske stropove SIP, regulacijske i distributivne elemente sa ugrađenim HEPA filterima.





SHOWROOM

Samobor, Croatia

Klimaoprema's showroom consists of operating room with antibacterial panel systems (walls and ceilings), window, sliding door, operation ceiling ELIPSO, lights, cleanroom furniture (sink, site-over bench, cabinets), air regulation and exhaust elements with integrated HEPA filters. Building management system (BMS) includes complete control of parameters.

U izložbenom prostoru Klimaopreme nalazi se operacijska dvorana sa antibakterijskim panelnim sistemom (zidovi i stropovi), prozorom, kliznim vratima, operacijskim stropom ELIPSO, rasvjetnim tijelima, cleanroom namještajem (sudoper, klupica, ormari) te regulacijskim i distributivnim elementima sa ugrađenim HEPA filterima. Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru.





EMERGENCY CENTER URGENTNI CENTAR Skopje, Macedonia

Operating rooms, total area 200 m².

Supplied equipment for operating rooms includes antibacterial wall panel system, operation ceilings SIP, sliding doors.

Klimaoprema designed HVAC installations with associated air distribution system which includes air regulation and exhaust elements.

Operacijske dvorane površine 200 m².

Isporučena oprema za operacijske dvorane uključuje antibakterijske zidne panelne sisteme, operacijske stropove SIP, klizna vrata.

Klimaoprema je izvela projekt HVAC instalacija sa priloženim sistemom razvoda zraka te regulacijskim i distributivnim elementima.





SURGICAL HOSPITAL DUBRAVA KB DUBRAVA Zagreb, Croatia

**Cardiology - Cardiovascular surgery
Kardiologija - Kirurgija**

**Operating rooms, cleanrooms, intensive care section,
total area 900 m², GMP class B, C, D.**

Supplied equipment includes antibacterial panel systems (walls and ceilings), lights, windows, hinged and sliding doors with radiation protection and operating ceilings SIP.

Klimaoprema designed HVAC installations that include air-handling units with associated air distribution system which includes air regulation and exhaust elements with integrated HEPA filters.

Operacijske dvorane, čisti prostori i odjel za intenzivnu njegu površine 900 m², GMP klase B, C, D.

Isporučena oprema uključuje antibakterijske panelne sisteme (zidovi i stropovi), rasvjetu, prozore, okretna i klizna vrata sa zaštitom od zračenja, operacijske stropove SIP.

Klimaoprema je izvela projekt HVAC instalacija koji uključuje klima komore sa pridruženim sistemom razvoda zraka te regulacijske i distributivne elemente sa ugrađenim HEPA filterima.





POLYCLINIC SVETI NIKOLA

Varaždin, Croatia

Supplied equipment includes panel systems (walls and ceilings), lights, windows, floors, hinged and sliding doors, operating ceilings SIP.

Isporučena oprema uključuje panelne sisteme (zidovi i stropovi), rasvjetu, prozore, podove, okretna i klizna vrata, operacijske stropove SIP.







CLINICAL HOSPITAL CENTER ZAGREB KBC ZAGREB Zagreb, Croatia

Sterile units | Sterilne jedinice

Cleanrooms, intensive care section, total area 400 m², GMP class A, B, C, D.

Supplied equipment includes panel systems (walls and ceilings), lights, windows, glass walls, floors, hinged doors with interlock system, sliding doors, operation ceilings, cleanroom furniture.

Klimaoprema designed HVAC installations that include air-handling units with associated air distribution system which includes air regulation and exhaust elements with integrated HEPA filters. Building Management System (BMS) includes complete control of parameters such as: temperature, humidity, air volume, interlock systems, etc. All phenomena related to the regulation of these parameters is recorded.

Čisti prostori i odjel za intenzivnu njegu površine 400 m², GMP klase A, B, C, D.

Isporučena oprema uključuje panelne sisteme (zidovi i stropovi), rasvjetu, prozore, staklene stijene, okretna vrata sa interlock sistemom, klizna vrata, operacijske stropove, cleanroom namještaj.

Klimaoprema je izvela projekt HVAC instalacija koji uključuje klima komore sa pridruženim sistemom razvoda zraka te regulacijske i distributivne elemente sa ugrađenim HEPA filterima. Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru: temperatura, vlažnost, protoci zraka, interlock sistemi i dr. Svi parametri se bilježe.







CLINICAL HOSPITAL CENTER RIJEKA KBC RIJEKA Rijeka, Croatia

**Cardiology – Cardiovascular surgery
Kardiologija – Kirurgija**

Operating rooms, special version with added support for the suspension of the lining sheet lead, with leaded doors and leaded glass partition.

Operacijska dvorana specijalne izvedbe sa dodatnim ukrućenjima za ovjes obloge od olovnog lima, sa olovnim vratima i olovnom staklenom pregradom.





CLINICAL HOSPITAL CENTER SESTRE MILOSRDNICE KBC SESTRE MILOSRDNICE Zagreb, Croatia

Supplied equipment for operating rooms includes antibacterial panel systems (walls), windows and glass walls.

Isporučena oprema za operacijske dvorane uključuje antibakterijske panelne sisteme (zidove), prozore i staklene stijene.





POLYCLINIC IVF Zagreb, Croatia

Supplied equipment includes IVF laminar flow devices.

Isporučena oprema uključuje IVF laminarne uređaje.







CLINICAL HOSPITAL CENTER SPLIT KBC SPLIT Split, Croatia

**Maternity hospital – Pediatrics and
Obstetrics**

**Klinika za ženske bolesti i
porode**

Operating rooms, total area 800 m².

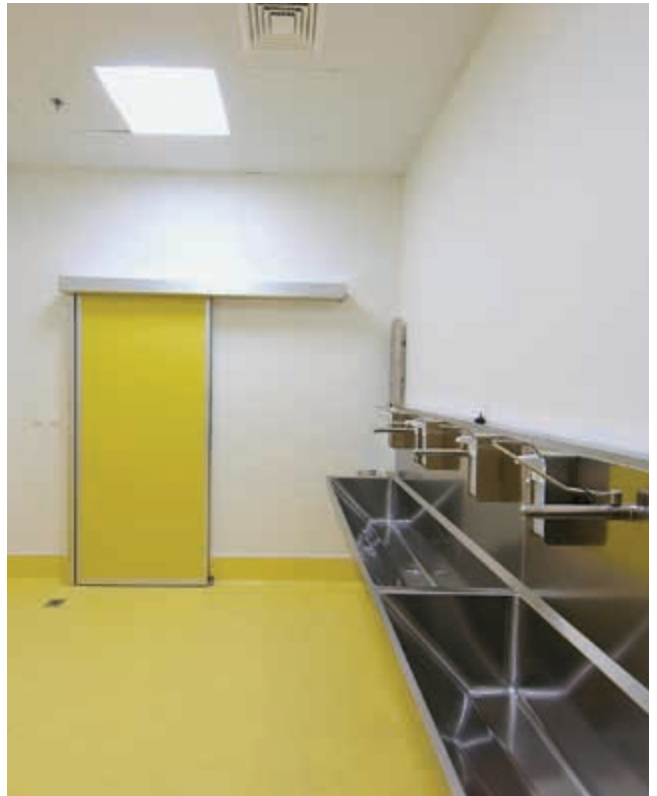
Supplied equipment includes wall panel systems made out of Kerrock, operation ceilings SIP.

Operacijske dvorane površine 800 m².

Isporučena oprema uključuje zidne panelne sisteme izrađene iz Kerrocka i operacijske stropove SIP.











SPECIALIST HOSPITAL MAGDALENA SPECIJALNA BOLNICA MAGDALENA Krapinske Toplice, Croatia

**Cardiology – Cardiac surgery
Kardiologija – Kirurgija**

Operating rooms, total area 150 m².

Supplied equipment includes panel systems (walls and ceilings), lights, windows, hinged and sliding doors, operation ceilings SIP, cleanroom furniture.

Klimaoprema designed HVAC installations that include air-handling units with associated air distribution system which includes air regulation and exhaust elements with integrated HEPA filters. Building Management System (BMS) includes complete control of parameters such as: temperature, humidity, air volume, interlock systems, etc. All phenomena related to the regulation of these parameters is recorded.



Operacijske dvorane površine 150 m².

Isporučena oprema uključuje panelne sisteme (zidovi i stropovi), rasvjetu, prozore, okretna i klizna vrata, operacijske stropove SIP, cleanroom namještaj.

Klimaoprema je izvela projekt HVAC instalacija koji uključuje klima komore sa pridruženim sistemom razvoda zraka te regulacijske i distributivne elemente sa ugrađenim HEPA filterima. Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru: temperatura, vlažnost, protoci zraka, interlock sistemi i dr. Svi parametri se bilježe.



TRAUMATOLOGY CLINIC KLINIKA ZA TRAUMATOLOGIJU Zagreb, Croatia



Operating rooms, total area 100 m².

Supplied equipment includes panel systems (walls and ceilings), lights, floors, windows, hinged and sliding doors, operation ceilings SIP, cleanroom furniture.

Klimaoprema designed HVAC installations that include air-handling units with associated air distribution system which includes air regulation and exhaust elements with integrated HEPA filters. Building Management System (BMS) includes complete control of parameters such as: temperature, humidity, air volume, interlock systems, etc. All phenomena related to the regulation of these parameters is recorded.



Operacijske dvorane površine 100 m².

Isporučena oprema uključuje panelne sisteme (zidovi i stropovi), rasvjetu, podove, prozore, okretna i klizna vrata, operacijske stropove SIP, cleanroom namještaj.

Klimaoprema je izvela projekt HVAC instalacija koji uključuje klima komore sa pridruženim sistemom razvoda zraka te regulacijske i distributivne elemente sa ugrađenim HEPA filterima. Sustav za upravljanje (BMS) uključuje potpunu kontrolu parametara u prostoru: temperatura, vlažnost, protoci zraka, interlock sistemi i dr. Svi parametri se bilježe.



Notes | Bilješke

Notes | Bilješke
