تصميم المستشفى الهولندي

DUTCH HOSPITAL DESIGN
# المحتويات

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<th>رقم</th>
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- تصميم المستشفي الهولندي
- معماريو الصحة الهولنديون لملحة عن الشركة
- رویال هاسکونینج دی إتش في لمحة عن الشركة
- المشاريع المختارة
- مركز إيراسموس الطبي
- مستشفيات جبل، مستشفى ديفنتر
- مستشفى جنت الإكلامي للأطفال
- مستشفى أوترخت سانت أنطونيوس العام
- مستشفى كيمر
- مستشفى جيرون بوش
- معهد السرطان الهولندي
- مركز سرطان مستشفى هوليف
- الأفكار | الابتكار
- الأفكار | بيئة الشفاء
- الأفكار | المرونة
- الأفكار | الاستدامة
- الأفكار | العفاهيم
- الأفكار | مفاهيم الديكور
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The unique quality of Dutch hospital design is provided by RoyalHaskoningDHV, the leading Dutch engineering consultancy firm and Dutch Health Architects (DHA), a joint venture of the two leading architectural firms in the Netherlands specialized in healthcare architecture, De Jong Gortemaker Algra architects and engineers and EGM architects. Both boasting on more than 50 years of experience.

Dutch healthcare is well known for its innovative character; new concepts focusing on patient logistics and efficiency of workflows and processes combined with aspects of Healing Environment and the Planetree Philosophy.

The experience and knowledge of DHA and RoyalHaskoningDHV provides clients with the possibility to discuss the demands of their organizations with a partner who has a broad perspective on healthcare.

It is our challenge to define and fully understand the demands of our clients before the best possible ‘answer’ in designing a building is developed. It is not just implementing proven solutions, but generating intelligent concepts that facilitate the client’s organization now and in the future.

Our field of work stretches from general hospitals, university hospitals and theme hospitals (like oncology hospitals) to homes for the elderly and nursing homes. All our designs are made with a strong focus on sustainability and creating a better world.

In order to serve our clients in the international Healthcare business, DHA and RoyalHaskoningDHV have joined forces to provide a full service package.
Dutch Hospital Design

The unique design of the Dutch Hospital, offered by Royal Haskoning DHV, (Royal HaskoningDHV), in collaboration with DHA, delivers a creative, patient-centered vision for the hospital. The design showcases a new approach to hospital construction, emphasizing patient care and the integration of ideas from Planetree (Planetree).

Royal Haskoning DHV specializes in Dutch engineering and health care architecture, and together with EGM and MHB, the firms are known for their expertise in health care facilities. Both companies have over 50 years of experience.

The Dutch healthcare system is renowned for its creativity in solving problems. New ideas focus on patient logistics and hospital efficiency, while maintaining a patient-centered approach. Royal Haskoning DHV’s expertise in healthcare is complemented by their comprehensive services, which include planning and management services.

The challenge is to ensure patient satisfaction while designing a facility that truly reflects their needs. The work involves not only the design of the building, but also the development of the healthcare organization’s vision and mission.

The scope of our work encompasses public hospitals, university hospitals, and research facilities, including cancer hospitals. Royal Haskoning DHV is committed to creating a sustainable future.

For our clients in the international health care sector, Royal Haskoning DHV provides a full range of services.
The Royal Institute of Dutch Architects (BNA) is the Dutch section of the Union Internationale des Architectes (UIA) and is a member of the Architects' Council of Europe (ACE).

In this capacity we declare that both EGM architecten and De Jong Gorstemaker Algra Architecten en Ingenieurs have been a long term and appreciated member of our institute. Both architectural firms operate independently without any connection to contractors, manufacturers, equipment suppliers and commercial institutions.

The firms have joined forces in order to offer the international community the very best on Dutch healthcare architecture. This combination of firms is called Dutch Health Architects (DHA) and together they represent the leading architectural practice in the Royal Institute of Dutch Architects. Dutch Health Architects has an annual turnover of €30,450,695,-- (EGM architecten bv, € 20,317,284,-- and De Jong Gorstemaker Algra Architecten & Ingenieurs B.V., € 10,142,411,--).

In order to show the significance and size of DHA, we provide you with a top 6 of our member architectural firms in the Netherlands, ranked by number of employees.

<table>
<thead>
<tr>
<th>name of the firm</th>
<th>number of employees</th>
</tr>
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<tbody>
<tr>
<td>1. Dutch Health Architects</td>
<td>260</td>
</tr>
<tr>
<td>2. Anonymous (due to privacy rules)</td>
<td>217</td>
</tr>
<tr>
<td>3. EGM architecten bv</td>
<td>152</td>
</tr>
<tr>
<td>4. De Jong Gorstemaker Algra Architecten &amp; Ingenieurs B.V.</td>
<td>108</td>
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<tr>
<td>5. Anonymous (due to privacy rules)</td>
<td>99</td>
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<tr>
<td>6. Anonymous (due to privacy rules)</td>
<td>70</td>
</tr>
</tbody>
</table>

per 31st December 2010

Amsterdam, 12th October 2011

Fred Schoori
CEO
Dutch Health Architects, which originates from architectural firms founded in the 1930’s, is an independent architectural firm operating worldwide. The consultancy services provided by Dutch Health Architects root in an architectural background and focus on people’s interaction with their environment.

With a total staff strength near 300 working nationally and internationally Dutch Health Architects can call on a strong resource base and offer quality services based on globally built experience.

Dutch Health Architects takes a multidisciplinary and integrated approach to any project covering technical, logistical, legal, organizational, social, environmental and economic aspects to arrive at sustainable and practical solutions.

Through our personal service, we thus contribute effectively to a successful planning, design, implementation, commissioning and operation of projects and programs.

The mother firms are accredited to Quality Management System Standards ISO 9001 and EGM architects isaccredited Environmental Management Standard ISO 14001.

The firm’s turnover in 2011 was approximately € 27 million.
Royal HaskoningDHV is a leading international consultancy and engineering group that provides services and sustainable solutions for the Healthcare market. A total of 8,000 committed Royal HaskoningDHV professionals develop innovative concepts in the fields of consultancy and engineering.

Royal HaskoningDHV offers its recognized expertise worldwide to clients in the public and private sectors through its closely-knit knowledge network. Royal HaskoningDHV’s services include management consultancy, advice, design and engineering, project management, contract management and operational management.

Gulf Region
Throughout its 130 years long history, Royal HaskoningDHV has always been a globally operating company with its local presence, resulting in a multitude of branch and project offices in Europe, South America, Africa, the Far East and the Arabian Gulf, all supported by our main offices in the Netherlands and
Over the years, Royal HaskoningDHV has built up a considerable presence in the Gulf Region with established branch and project offices in the UAE (Dubai, Abu Dhabi), Oman, Bahrain, Qatar and Jordan, carrying out projects across the Region. At present, we have some 60 numbers of permanent staff working in the Middle-East region, all experienced professionals with expertise ranging from project management, design, engineering to construction management and supervision. If necessary, our locally based teams will be supplemented with colleagues from one of our European or South East Asian offices in order to provide the necessary expertise and manpower.
Royal HaskoningDHV’s turnover in 2011 was approximately € 700 million.

Royal HaskoningDHV, DHA and its partners and local offices around the world have a wide experience and capacity in the healthcare market, built up mainly during almost 100 years.

Extensive experience comprises the whole process of building planning; from initial conception to realization till operational management of the real estate assets. This makes it possible to facilitate and manage participation in creative processes over the whole life cycle. In this way, Royal HaskoningDHV and DHA provide the right combination of expertise and professional know-how, resulting in innovative alternatives and successful realization.
Royal HaskoningDHV and DHA consultants help you to find feasible solutions. Next, our Architects, technical and financial specialists prepare designs and costs estimates. Our project managers and engineers are ready to manage contracts and supervise the works and taking responsibilities on site. After completion, our advisors provide tools for operation and maintenance of the assets.

Success in the healthcare market needs good local know-how. Therefore we combine our companies knowledge with the specific needs for each country and project by working together with our local companies on the spot. We operate from more than 100 offices across 35 counties all over the world.
The new Erasmus Medical Center is projected at its present location, right in the heart of the dynamic city center of Rotterdam. It connects old and new with a large glass covered public area. The characteristics of the building are light, air, clear structures and views on both nature and activity. The variations in the facade of the building make it look urban, yet delicate and human.
مركز إيراسموس الطبي

روتردام
450 سريرا
مركز إيراسموس الطبي
2004 - 2017
مساحة الأرض الإجمالية 185,000 م²

مركز إيراسموس الطبي تم تخطيطه في موقعه الحالي، في قلب وسط مدينة روتردام المفعمة بالنشاط. وهو يربط القديم بالحديث بمنطقة عامة واسعة مغطاة بالزجاج. وتميز المبنى خصائص ضوء والهواء وإنشاءات ومناظر واضحة للطبيعة والنشاط والتنوعات في واجهات المبنى تجعله يبدو حضريا ومع ذلك يظل رفيعا وإنسانيا.
The project consists of a regional general hospital of 320 beds. This hospital is replacing the old hospital. The project consists of 30,000 m² including a psychiatric centre of 4,500 m².

The existing Gelre Hospital on location Zutphen needed to be replaced due to asbestos problems. Therefore a quick design and construction was required by the client. Royal HaskoningDHV has offered a design and construction period of 4 years which is quick to Dutch standards. Special design- and tendering procedures have been developed to enable this swiftness.

The building has been designed with special attention to building and functional flexibility.

All high technical functions (OT's, IC, radiology, accident & emergency) are concentrated in a so-called hotfloor building. The building architecture is focuses also on healing environment effects of the building on the patient. Royal HaskoningDHV acted as total engineer and was responsible for all design, construction management and supervision activities.
The Deventer Hospital complex consists of a general hospital, a radiotherapeutic institute, a unit for psychiatry and an underground parking garage. The new building is distinguished by its new form of care, the '4-intake model', whereby the intake and treatment of acute, urgent, elective and chronic patients are catered for. This new form of care is reflected in the design. The design consists of a 'backbone building' combined with a hall concept. The backbone houses the specific treatment functions of the hospital and the wards. The 'hall' houses the functions that need a maximum in flexibility, the outpatients department on the ground floor combined with the (back) offices on the first floor.

<table>
<thead>
<tr>
<th>Location</th>
<th>Deventer</th>
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<tr>
<td>Size</td>
<td>377 beds</td>
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<tr>
<td>Principal</td>
<td>Deventer Hospital</td>
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<tr>
<td>Planning period</td>
<td>2000 - 2008</td>
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<tr>
<td>Gross floor area</td>
<td>52,000 m²</td>
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</table>
GHENT ACADEMIC PEDIATRIC HOSPITAL

Location    Ghent, Belgium
Size        124 beds
Principal   Ghent Academic Hospital
Planning period  2007 - 2011
Gross floor area  16,000 m²

UZ Gent University Hospital, extension for pediatric care. The aim for the design was to create a unique and recognizable building for children. It is an extension of 16,000 m² to existing buildings, but appears to be standing on its own. The base of the building is conceived as a green wavy landscape, that brings the green up to the wards. The wards are set above in a single floating volume with round edges.
مستشفى جنت الأكاديمي للأطفال

جنت، بلجيكا
الموقع
124 سريرا
مستشفى جنت الأكاديمي
مستشفى جنت الجامعي، ملحق لرعاية طب الأطفال. كان الهدف من التصميم هو إنشاء مبنى فريد ويمكن تمييزه للأطفال. إنه ملحق مبان مساحته 16.000 م²، لكن يبدو أنه مستقل نظراً.

الحجم
العمل
العميل
2007 - 2011
مدة التخطيط
مساحة الأرض الإجمالية
16.000 م²
وأساس المبنى يُصور كمنظر طبيعي متموج أخضر، ينقل الخضرة إلى العناصر. وتوجد العناصر أعلاه ككثافة عائمة بحاف مستديرة.
Sint Antonius Hospital is a combination of a top clinical hospital in Nieuwegein and a general hospital in Utrecht. This combination is a successful formula in which patients can be provided with allround care within the same concern. The general hospital in Utrecht is currently spread over two locations. Sint Antonius will open a new hospital in 2013 to replace the two separate locations.
The new Kennemer Hospital North specializes in out-patient and one day treatments with short stay recovery facilities. It is constructed to be highly flexible in order to meet future requirements in lay out and function. It is designed from a patients point of view. Calm colors, glass and steel create a sophisticated and pleasant atmosphere in which patients and their visitors feel comfortable and which offers hospital staff a professional and inspiring environment to work in.
ينتصب مستشفى كنيمر الجديد الشمالي في العيادات الخارجية وعلاجات اليوم الواحد مع غرف للفترة القصيرة. وهو مصمم ليكون مرنا بدرجة كبيرة لكي يلبي المتطلبات المستقبلية في التخطيط والوظيفة. وهو مصمم من وجهة نظر المرضى. الألوان الهادئة والزجاج والفولاذ يشكلون جوا مهنيا ومثيرا يشعر فيه المرضى وزوارهم بالراحة يوفر لفريق عمل المستشفى جوا مهنيا ومثيرا.
The new Jeroen Bosch Hospital is the largest general hospital project in the Netherlands. It combines three hospitals and a number of care providers in one. It is the most patient-centered and human friendly hospital in the county, with emphasis on healing environment, hence the peaceful and positive ambiance of the indoors, as well as the outdoors. It is a very large block of buildings of approx. 116,000 m², where visitors and patients will be at ease and will easily find their way.
The Dutch Cancer Institute / Antoni van Leeuwenhoek Hospital in Amsterdam is a complex in which top clinical research and patient care are combined. The new building and renovation work will ensure an integration between routine patient care, clinical research and top specialist care. The original building complex is 25 to 30 years old. A new treatment building for radiotherapy and radiology and a bed ward block have been built next to and on top of the old hospital. The existing buildings are radically renovated.

<table>
<thead>
<tr>
<th>Location</th>
<th>Amsterdam</th>
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<tbody>
<tr>
<td>Size</td>
<td>108 beds</td>
</tr>
<tr>
<td>Principal</td>
<td>Dutch Cancer Institute</td>
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<tr>
<td>Planning period</td>
<td>1999 - 2006</td>
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<tr>
<td>Gross floor area development</td>
<td>23,000 m²</td>
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<tr>
<td>Gross floor area renovation</td>
<td>34,000 m²</td>
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The Dutch Cancer Institute / Antoni van Leeuwenhoek Hospital in Amsterdam is a complex in which top clinical research and patient care are combined. The new building and renovation work will ensure an integration between routine patient care, clinical research and top specialist care. The original building complex is 25 to 30 years old. A new treatment building for radiotherapy and radiology and a bed ward block have been built next to and on top of the old hospital. The existing buildings are radically renovated.
معهد السرطان الهولندي

الموقع: أمستردام
الحجم: 108 سريرا
العميل: معهد السرطان الهولندي
مدة التخطيط: 2006 - 1999
مساحة الأرض الإجمالية: 23,000 م²
التطوير: 34,000 م²
التجديد

المعهد السرطان الهولندي / مستشفى أنثوني فان لونهوك في أمستردام هو مجمع يضم قمة البحث الإكلينيكي ورعاية المرضى، ويشمل المبنى الجديد وأعمال التجديدات التكامل بين رعاية المرضى الروتينية والبحث الإكلينيكي ورعاية متخصصة على مستوى القمة. ويبلغ عمر مجمع المباني الأصلي 25-30 عاما، وقد تم بناء مبنى علاجي للعلاج بالإشعاع والطب الإشعاعي ومجموعة مبان لعناصر الأسرة بجوار المستشفى القديم وأعلاه، وتم تجديد المباني الحالية تماما.
Honliv Hospital Cancer Center

<table>
<thead>
<tr>
<th>Location</th>
<th>Changyuan</th>
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<tr>
<td>Size</td>
<td>500 beds</td>
</tr>
<tr>
<td>Principal</td>
<td>Honliv Hospital</td>
</tr>
<tr>
<td>Planning period</td>
<td>2012 - 2014</td>
</tr>
<tr>
<td>Gross floor area</td>
<td>65,000 m²</td>
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</table>

Henan Health Department and the Honliv Group are planning a new oncology center in the Henan Honliv Hospital area in Changyuan, Henan province, PRC. The main target is to create an oncology center according to the European standards, which can accommodate 500 beds, excluding ICU, and 16 operating rooms. The environment of the new oncology center and the interior of the building shall be communicative, sustainable, a healing environment for all patients and hi-tech feels to inspire research and innovation for the staff.
 Themes | Innovation
الأفكار | الابتكار

THEMES | INNOVATION

Utrecht Sint Antonius General Hospital

Deventer Hospital

Utrecht Sint Antonius General Hospital
Colour & Comfort | NKOC Competition

Art | Deventer Hospital
THEMES | HEALING ENVIRONMENT
THEMES | HEALING ENVIRONMENT

Nature & Identity | Radiotherapeutic Institute Haaglanden
1. neurology
2. oncology
3. immune system, metabolism and aging
4. emergency center and physiotherapy
5. circulation
6. grow, development and fertility

المستوصف
التجهيزات التقنية
وحدة الرعاية المركزة
العيادات الخارجية
التشخيص
المستوصف العام
 clinic
technical installations
ICU
outpatient
diagnostics
polyclinic
Deventer Hospital

Joint Care Centre
THEMES | FLEXIBILITY

Small Hospital
Themes | Sustainability
Het vraagt energie om ingesleten gewoonten te wijzigen en andere processen. Constant moet de nadruk worden gelegd op uitvoeringsfase gemaakt.

Om de samenwerking gestalte te geven vinden er bilaterale overleggen plaats tussen de deelnemers in het bouwteam. De informatie-uitwisseling en clash-controle. Tijdens de fase vinden er oplossingen gezocht te worden voor de verschillen in de ontwerpen. De ontwerpers hebben de ambitie uitgesproken om het 'bimmen' in het gehele project geïntegreerd.

Ruim een jaar geleden zijn de ontwerpende partijen gestart met het ontwerpen en ontwikkelen van de Bouw Informatie Model (BIM) - dat bij dJGA wordt uitgewerkt via Revit - en een bouwteam. Bij de uitbreiding van het Ziekenhuis Gelderse Vallei (ZGV) heeft de opdrachtgever zich als sociaal medisch interventie geïntegreerd. Dit bouwkunde doel gesteld het terugdringen van faalkosten in de bouw en het maximaal benutten van 3D visualisations, renders en movies. Er wordt een geheel nieuw Intensive-Care en Medium Care Centrum gebouwd en de aspecten van de tribune. De bouw van de tribune volgde direct de vuurproef voor het CHIO tribune - Grandstand, Rotterdamsche Manège, Rotterdam. Tijdens deze bijeenkomsten is door de ontwerpers, het 3D model van het gebouw in de juiste richting te leiden en de juiste informatie te geven.


Verhuislijsten
• Gebouwbeheerssysteem
• Coördinatie

Ontwerpfase
• Berekeningen akoestiek,
• Daglichtsimulatie
• Doorlopende projectcontrole

Bouwfase
• Bouwgeldingen
• Bouwplannen

Exploitatiefase
• Bouwbeheersysteem
• Bouwvoordeel
• Bouwcontrole

Het gebouw werd in augustus namelijk overdekt en de groepsruimtes kwamen aan de gang. De aan de klassen grenzende ruimtes volledig worden ingericht als lesruimtes met leerpleinen, garderobe en toiletten, direct in hun eigen klaslokaal. De school heeft voor deze opzet gekozen. De nieuwe Jenaplan basisschool De Driehoek in Dordrecht is ontworpen volgens een bijzonder concept voor een basisschool. De Driehoek: een bijzonder concept voor een basisschool.
THEMES | SUSTAINABILITY
الأفكار | التصميم المتكامل
Mall
مركز تسوق

Campus
حرم جامعي
"The hospital as an airport, hotel, mall or village?"
هل المستشفى مثل المطار أو الفندق أو مركز التسوق أو القرية؟

Themes | Concepts
المفاهيم | الأفكار

Park | حديقة
Hotel | فندق
"The hospital as an airport, hotel, mall or village?"
 هل المستشفى مثل المطار أو الفندق أو مركز التسوق أو القرية؟
THEMES | INTERIOR CONCEPTS

الأفكار | مفاهيم الديكور
THEMES | INTERIOR CONCEPTS
Ikazia Ziekenhuis, Rotterdam, the Netherlands
Erasmus Medical Centre, Rotterdam, the Netherlands
Maria Middelares General Hospital, Ghent, Belgium
VU Hospital Research & Diagnostics, Amsterdam, the Netherlands
Albert Schweitzer Hospital, Dordrecht, the Netherlands
Tony Moleapaza Rojas Children’s Hospital, Arequipa, Peru
Dr Verbeeten Institute Radiotherapy, Den Bosch, the Netherlands
Medimall MCRZ, Rotterdam, the Netherlands
UMC St Radboud Hospital, Nijmegen, the Netherlands
Jeroen Bosch Hospital, Den Bosch, the Netherlands
Reinier de Graaf Hospital, Delft, the Netherlands
Vlietland Hospital, Schiedam, the Netherlands
Groene Hart Hospital, Gouda, the Netherlands
Rijnland Hospital, Leiderdorp, the Netherlands
Kennemer Gasthuis Hospital, Haarlem, the Netherlands
LUMC Education Building, Leiden, the Netherlands
Sanquin Blood Bank, Nijmegen, the Netherlands
Onze Lieve Vrouwe Hospital, Amsterdam, the Netherlands
Juliana Children’s Hospital, The Hague, the Netherlands
Wilhelmina Children’s Hospital, Amsterdam, the Netherlands
UMC Utrecht Hospital / AZU Hospital, Utrecht, the Netherlands
St Maarten Medical Centre, Philipsburg, St Maarten
Dr. Horatio E. Oduber Hospital, Oranjestad, Aruba
Jakarta Children’s Hospital, Jakarta, Indonesia
Ghent University Medical Research Building, Ghent, Belgium
ZNA North, Antwerp, Belgium
Tanger Children’s Hospital, Tanger, Morocco
University Hospital Ghent K12, Belgium
NKI/AVL Hospital, Amsterdam, the Netherlands
K.U.Z. Leuven (Gasthuisberg), Belgium
Deventer Hospital, the Netherlands
Hospital Bernhoven, Uden, the Netherlands
Hospital Bethesda, Hoogeveen, the Netherlands
St Antonius Hospital, Nieuwegein, the Netherlands
St Antonius Hospital, Utrecht, the Netherlands
Foundation ZorgSaam Zeeuws-Vlaanderen, De Honte, the Netherlands
Sint Franciscus Gasthuis, Rotterdam, the Netherlands
IJsselland Hospital, Capelle a/d IJssel, the Netherlands
Harbour Hospital en Institute for Tropical diseases, Rotterdam, the Netherlands
Diakonessenhome, Utrecht, the Netherlands
Maxima Medical Center, Veldhoven, the Netherlands
Hospital Maas en Kempen, Maaseik, Belgium
Westfries Gasthuis, Hoorn, the Netherlands
Hospital Rivierenland, Tiel, the Netherlands
Canisius-Wilhelmina Hospital, Nijmegen, the Netherlands
Hospital Nobo, Curacao
Altrecht Mental Healthcare Barentsz, the Netherlands
Hospital Koningin Beatrix GGNet Brengwal, the Netherlands
Forensic Psychiatric Center, Ghent Belgium
FPI de Rooyse Wissel, Oostrum, the Netherlands
Foundation Rivierduinen, the Netherlands
De Grote Rivieren, Volgerlanden, the Netherlands
Bavo Europoort de Fjord, the Netherlands
Transferium Younchcare, Heerhugowaard, the Netherlands
High Care, Oegstgeest, the Netherlands
ROYAL HASKONINGDHV
رويال هاسكونينج دي إتش في

Medisch Centrum Alkmaar, Alkmaar, the Netherlands
Hospital Group Twente, Almelo, the Netherlands
Flevo Hospital, Almere, the Netherlands
VU University Hospital, Amsterdam, the Netherlands
Hospital Rijnstate, Arnhem, the Netherlands
Gemini Hospital, Den Helder, the Netherlands
Slingeland Hospital, Doetinchem, the Netherlands
Medical Spectrum Twente, Enschede, the Netherlands
Martini Hospital, Groningen, the Netherlands
University Hospital, Groningen, the Netherlands
Kennemer Gasthuis Hospital, Haarlem, the Netherlands
Medical Center, Leeuwarden, the Netherlands
University Hospital, Maastricht, the Netherlands
Canisius-Wilhelmina Hospital, Nijmegen, the Netherlands
St. Laurentius Hospital, Roermond, the Netherlands
Maasstad Hospital, Rotterdam, the Netherlands
Erasmus University Hospital, Rotterdam, the Netherlands
Maasland Hospital / ORBIS, Sittard, the Netherlands
Hospital Bernhoven, Uden, the Netherlands
University Hospital, Utrecht, the Netherlands
St. Jansgasthuis Hospital, Weert, the Netherlands
Honliv-Cancer Hospital, Changyuan, China
University Hospital, Aalborg, Denmark
St. Jansdal Hospital, Harderwijk, the Netherlands
St. Maartenskliniek, Nijmegen, the Netherlands
Diaconessenhuis, Meppel, the Netherlands
Admiraal de Ruyter Ziekenhuis, Vlissingen, the Netherlands
Gelre ziekenhuizen, Zutphen, the Netherlands
Roosendaal Hospital, Roosendaal, the Netherlands
Eco Medical and Health City, Dongtan, China
Ramathibodi Hospital, Bangkok, Thailand
Chula Private Hospital, Bangkok, Thailand
Hospital Urology & Nephrology University, Mansoura, Egypt
4 New Hospitals and 16 Regional Treatment Centres, Bangladesh
Teaching Hospital, Tamale, Ghana
Fundashon Mariadal Cure Facilities, Bonaire, Dutch Antilles
Onze Lieve Vrouwe Gasthuis, Amsterdam, the Netherlands
Isala Clinics, Zwolle, the Netherlands
Amphia hospital, Breda, the Netherlands
Stratenum University Medical Centre, Utrecht, the Netherlands
Eye hospital, Rotterdam, the Netherlands
Tergooi hospitals, Hilversum, the Netherlands
Military Hospital, South Africa
Empangeni Hospital and Ngwelezane Hospital, KwaZulu-Natal, South Africa
Flora Clinic, Gauteng, South Africa
LCM Hospital, South Africa
Hospital, Mpalapane, South Africa
Rob Ferreira Hospital, Mpumalanga, South Africa
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