

## **MEDIA RELEASE**

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### **IJN FIRST HOSPITAL IN MALAYSIA RECOGNISED FOR ENERGY SAVING EFFORTS**

**KUALA LUMPUR, Oct 11, 2019:** Institut Jantung Negara (IJN) has become the first hospital in Malaysia to receive a 3-star Energy Management Gold Standard (EMGS) certification, in recognition of its strong track record in energy reduction.

The certification is delivered under the ASEAN Energy Management Scheme (AEMAS), a Southeast Asian initiative aimed at improving energy use and reducing carbon dioxide emissions in the region.

Handed out since 2011, the EMGS recognises energy end-users who have continuously improved their annual energy improvement and sustainability.

The EMGS has three levels of certification, with 3-stars being its top tier award.

IJN received the certification at an awards ceremony yesterday (Oct 10), held as part of the International Greentech and Eco Products Exhibition and Conference Malaysia (IGEM) at the Kuala Lumpur Convention Centre here.

IJN has employed energy saving measures since 2014, and is committed to help Malaysia's goal of cutting the country's carbon emissions by 45 per cent by 2030 in line with Paris Climate Accord.

These measures include using rain water harvesting for its restrooms and washing, as well as a water heating system that utilises renewable energy.

IJN has also replaced its lighting system to light-emitting diodes (LEDs), which are more energy efficient and longer lasting than regular lightbulbs. LEDs also emit less heat, leading to a reduced usage of air-conditioning indoors.

Although IJN operates a 24-hour facility in order to serve the healthcare needs of its patients, the centre utilises energy saving technology to minimise the use of energy wherever possible.

For example, electricity for staff lifts and offices is switched off after office hours to avoid energy wastage. Furthermore, the overall building management system encompasses mechanical and electrical systems that are programmed for optimum operation.

In addition to reducing energy usage at its centre, IJN prioritises energy saving products and companies in its procurement process as well.

Aside from employing energy-saving technology and processes, IJN has also inculcated a strong “green culture” among its staff to ensure that these measures are sustainable in the long term. The centre has instituted a “Bring Your Own Tiffin/ Tumbler” scheme, which encourages staff to go plastic-free by rewarding those who bring their own food containers to work. All IJN employees also have screensavers installed on their desktops to minimise energy usage by computers left idle during the work day.

Moving forward, IJN plans to further reduce its energy usage by installing solar technology at its centre by mid-2020, and increase its paper recycling efforts.

With its 3-star EMGS certification, IJN has set a new benchmark for Malaysian organisations. As an opinion leader in energy consumption, IJN aims to support other companies who wish to make the shift to being more energy-conscious and environmentally sustainable.

## **About Institut Jantung Negara Sdn. Bhd.**

*Institut Jantung Negara (IJN) was set up in 1992 and is dedicated to the management and treatment of heart diseases by providing cardiology, paediatric cardiology and cardiothoracic surgery services for adults and children.*

*Today, IJN is reckoned to be among the best medical centres for cardiovascular and thoracic care in Malaysia and the region. IJN has kept abreast with the latest medical advances, from handling a simple hole in the heart surgery to heart and lungs transplantations.*

*With a strong commitment to be a global heart care centre of excellence, IJN has paved the way by creating many "firsts" for cardiovascular and thoracic care in the country, namely:*

- 1. 1<sup>st</sup> in SEA to introduce AXXESS Stent to treat bifurcation lesions*
- 2. 1<sup>st</sup> in Asia to introduce Renal Denervation – a radio frequency ablation procedure to treat patients with resistant hypertension*
- 3. 1<sup>st</sup> in the SEA to implant Bio resorbable Vascular Scaffold – a new stenting device*
- 4. 1<sup>st</sup> in the country to implant the Watchman device to reduce the risk of stroke in patient with AF*
- 5. Introduced HeartMate II – a new mechanical heart assist device as a bridge to transplantation in 2010*
- 6. 1<sup>st</sup> in Malaysia to perform Transcatheter Aortic Valve Implantation (TAVI)*
- 7. 1<sup>st</sup> in Malaysia to perform minimally invasive lobectomy for lung disease*
- 8. 1<sup>st</sup> in the country to perform minimally invasive procedure to repair congenital chest deformity called "Pectus Excavatum" and "Pectus Carinatum"*
- 9. 1<sup>st</sup> in Malaysia to perform a double heart transplantation (redo) within 24 hours*
- 10. 1<sup>st</sup> to perform keyhole (endoscopic) surgery to treat lone atrial fibrillation in Asia and Australasia in 2006*
- 11. 1<sup>st</sup> to perform single and double lungs transplant*
- 12. 1<sup>st</sup> to perform the implantation of an Implantable Ventricular Assist Device (IVAD).*
- 13. 1<sup>st</sup> medical institute in the country and the Southeast Asean region to perform coronary bypass surgeries and complex thymectomy procedures on conscious or 'awake' patients without general anaesthesia.*
- 14. 1<sup>st</sup> in Malaysia to perform bone marrow stem cell transplantation in patients suffering from severe ischemic heart disease with no other treatment options.*
- 15. 1<sup>st</sup> medical institute to conduct a homograft procurement to facilitate heart transplant.*
- 16. 1<sup>st</sup> medical institute in the country to perform a heart transplant.*

17. *One of the first in the region to perform detailed mapping for complex arrhythmia.*
18. *1<sup>st</sup> medical institute in the world to Implant a Bio-absorbable Pulmonary Valve Conduit*
19. *1<sup>st</sup> medical institute in Malaysia to carry out the complete replacement of the aorta.*
20. *1<sup>st</sup> in the world 2<sup>nd</sup> Generation smallest pacemaker*
21. *1<sup>st</sup> in Asia to perform Peripheral Arterial Disease procedure with Vasculflex Multi-LOC device*
22. *1<sup>st</sup> in Malaysia to implant dual chamber pacemaker system in a pregnant patient using non-fluoroscopic imaging*

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