



ADB our on going discussions :Business Opportunities in Asia

Dhiman Dasgupta
Managing Director Draeger ASEAN

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There are
not enough hospitals and hospital beds
to support the people in ASEAN.

The governments are very much trying but
have not been able to build
nor expand hospitals fast enough.



“WARD FOUR AT Fabella Hospital in Manila has been dubbed the busiest maternity ward on the planet. It’s a place of joy and tears, giggles and exhaustion, and constant, ceaseless activity. There are 133 babies on the ward today, most of them born within the last 48 hours.” Margaret Ward in the Philippines, *The Irish Times*, 2018.

<https://www.irishtimes.com/life-and-style/people/welcome-to-the-busiest-maternity-ward-on-the-planet-1.3692360>

Fabella Hospital is a government hospital equipped with Dräger Isolette incubators, JM 105 jaundice meter, VN 500 neonatal ventilators.

Many more hospitals equipped with core acute care equipment like the Dräger's ventilators, incubators, anesthesia machines, and patient monitors are needed in ASEAN.

We need to continue to find ways to adapt configurations and implementations of our advanced technologies to make them more cost-effective and sustainable (for long-term service) to help with the urgently needed critical care expansions in ASEAN.

Not enough hospital beds, over-occupied

In Philippines: "Across the country (Philippines 2017), we are lacking 42,000 beds. No wonder most of our hospitals are over occupied from 150 percent to 250 percent,"

<https://news.mb.com.ph/2017/08/14/ph-needs-more-doctors-42000-hospital-beds/>

Philippines: 1 hospital bed per 1,000 people in 2015

https://www.usaidassist.org/sites/default/files/philippines_country_case_study_06-09-2016.pdf

Background Country Data

Total Population (millions)	98.3
Life Expectancy at birth (years, both sexes)	68.5
Infant Mortality (per 1,000 births)	23.5
Maternal Mortality (per 100,000 births)	120
Hospital beds (per 1,000 people)	1
Public health expenditure (% of total health expenditure)	37.7
Total health expenditure (% GDP)	4.6
OOP health expenditure (% of total expenditure)	52
Poverty headcount ratio at \$1.25 a day (% of population)	18.9
GDP per capita (current USD)	2,765

Source: World Development Indicators, accessed March 2015

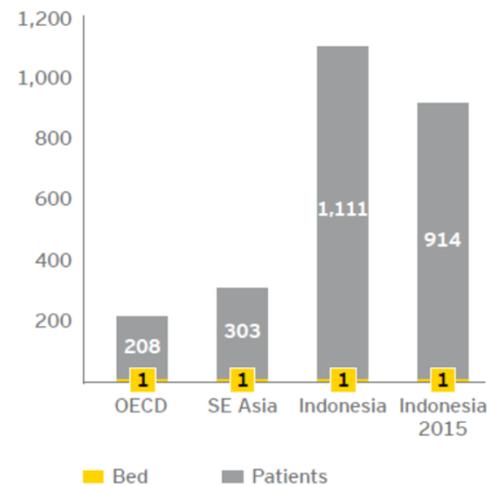
In Vietnam: 1 hospital bed per 385 people in 2016

<https://data.worldbank.org/indicator/sh.med.beds.zs?view=map>



Indonesia: Heni Karmila sought to find a doctor for her ailing mother ... she faced a nine-hour wait in a line outside a crowded public hospital in Jakarta.

<https://www.businesstimes.com.sg/government-economy/indonesias-battle-to-bring-healthcare-to-the-masses>



In Indonesia: 1 hospital bed per 900+ people in 2015, v SEA avg per 303 people

[https://www.ey.com/Publication/vwLUAssets/EY-ripe-for-investment-the-indonesian-health-care-industry/\\$FILE/EY-ripe-for-investment-the-indonesian-health-care-industry.pdf](https://www.ey.com/Publication/vwLUAssets/EY-ripe-for-investment-the-indonesian-health-care-industry/$FILE/EY-ripe-for-investment-the-indonesian-health-care-industry.pdf)

Dräger is a leading international company

Focused on improving acute care



Employees	14,845 (2019)
Net sales	EUR 2.8 billion (2019)
Chief Executive Officer	Stefan Dräger
Status	Publicly Traded on Frankfurt Stock Exchange
Headquarters	Luebeck, Germany
Production sites	Germany, Chile, China, Czech Republic, India, Norway, South Africa, Sweden, United Kingdom, USA
Sales and service branches	in over 50 countries

- Over 130 years of experience.
- First anesthesia device Roth-Dräger in 1902, first intensive care ventilator The Pulmotor in 1907.
- Babylog 8000 intensive care ventilator for infants and premature babies in 1989.
- **Now: we provide connected hardware and software solutions to improve acute care** in the ER, OR, ICU, and NICU with modern patient monitors, surgical lights, gas piping, pendants, anesthesia machines, IC ventilators, neonatal ventilators, jaundice meters, phototherapy lights, infant warmers, incubators, related consumables and IT integration and data applications.

Recent success: Corona Center Berlin

Faced with the COVID-19 crisis around March 2020, Dräger worked with German government agencies to rapidly design and efficiently realize the Corona Center in Berlin.

Now, Dräger aims to work with its teams in ASEAN to share our experience and expertise to support COVID-19 Response projects across ASEAN.



Continuous medical education and practical experience sharing Through webinars and white papers across ASEAN



Discover Dräger in Southeast Asia

Your Specialist in Acute Care



Home Page > Home Page

Upcoming events and content highlights



EIT measures to guide mechanical ventilation settings, Dr. Tommaso Mauri

Watch this video lesson, recorded in April 2019 at the Draeger Milan Expert Course in Mechanical Ventilation, on how to use electrical impedance tomography to guide mechanical ventilation settings.

Learn more about: [Pulmonary monitoring, EIT in clinical application](#), and [PulmoVista 500](#).



How to Reduce Ventilator Induced Lung Injury, Prof. Giacomo Bellani

Watch this video lesson, recorded in April 2019 at the Draeger Milan Expert Course in Mechanical Ventilation, on using PEEP, Total Volume, driving pressure and transpulmonary pressure to reduce Ventilator induced Lung Injury.



Effective Management of COVID-19 Patients

Experience sharing by Malaysia and Thailand Experts



July 2020, Wednesday
8pm (Thailand Time) | 8pm - 9pm (Malaysia Time)

Malaysia and Thailand experts will share their experience in managing COVID-19 patients.

[Register now](#)

Dräger. Technology for Life®



LUNG PROTECTIVE VENTILATION IN THE OR

Speaker:
Dr Paul Drakeford
Tan Tock Seng Hospital, Singapore

CME points will be awarded, subject to approval

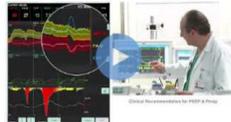


LIVE Webinar
22nd July 2020
8:00pm - 7:10pm

Time	Duration	Program	Speaker
06:00pm	45 mins	Lung Protective Ventilation in the Operating Room	Dr. Paul Drakeford
06:45pm	15 mins	Simulated demonstration of Lung Protective Ventilation Principals	Mr John Barrett, Draeger
07:00pm	10 mins	Questions & Answers	

Supported by:  Singapore Society of Anaesthesiologists

[Register here](#)



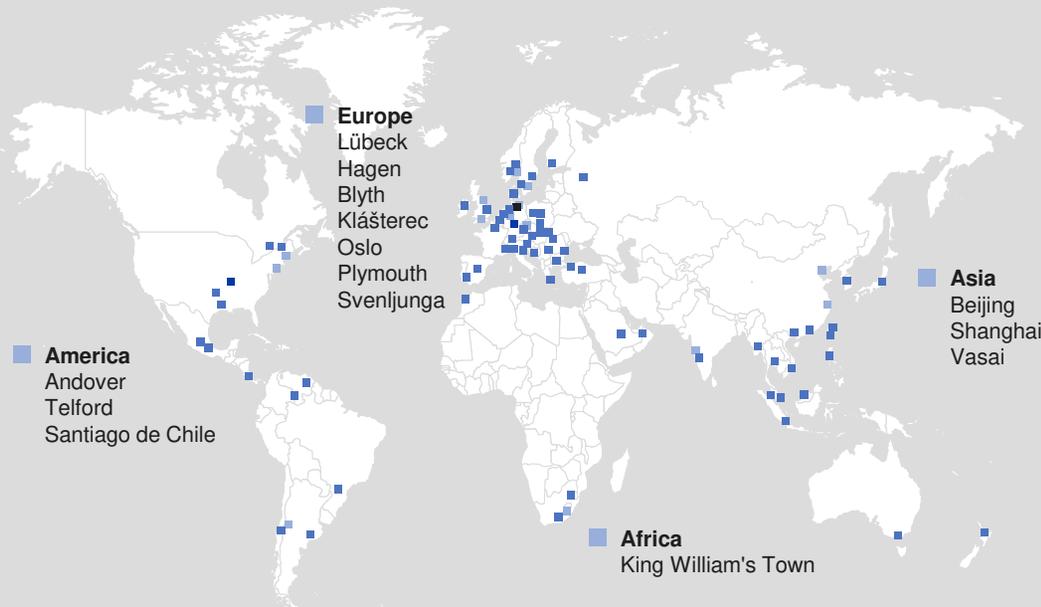
Hemodynamic effects of lung recruitment manoeuvres, Dr. Javier Garcia

Watch this video with Dr. Javier Garcia, Head of the Anaesthesia and Critical Care department of University Hospital Puerta de Hierro in Spain, as he presents a clinical model with the main effects in the hemodynamic of lung recruitment manoeuvres in an acute patient under mechanical ventilation.

Read more about [intraoperative recruitment manoeuvres](#).

www.draeger.com/discover

Dräger worldwide, full Application & Service Teams in ASEAN countries: Indonesia, Thailand, Malaysia, Singapore, Vietnam, Philippines



Dräger sites

- Headquarters in Lübeck
- Production sites in Europe, America, Africa and Asia
- Logistic centers in Europe and the USA
- Sales and service organizations worldwide

Plus project engineering teams for ASEAN based in Singapore and Germany

Many thanks

Dhiman Dasgupta | Managing Director ASEAN

+65 98228214
dhiman.dasgupta@draeger.com
www.draeger.com