



Ramathibodi Hospital, Thailand.

- » **Achieving LEAN goals**
- » **Improve Total Turn-Around-Time**
- » **Reduce the amount of bed days**

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Rapid transport of blood samples reduces response time by half

In 2015 Ramathibodi Hospital, a leading public hospital in Thailand, decided to invest in two Tempus600 systems for transporting blood samples. The hospital needed to bring down the Total Turn-Around Time (ToTAT) and reduce the amount of bed days. This was essential because of the large amount of patients being treated in the hospital every day. The 3 Main Health Servicing Buildings serve at least 5,000 out-patient visits per day and in-patients with more than 1,000 beds for tertiary medical care.

Achieving LEAN goals

In 2016 the two Tempus600 sending stations were installed. They were located in one of the main health service buildings sending blood samples from two different levels directly to the laboratory located in the Main Building.

Today, TEMPUS600 systems had proved to Ramathibodi Hospital that blood samples, around 700 samples a day, sent via TEMPUS600 systems achieved their LEAN goals. Every sample took a maximum of 2 minutes to be transported to Laboratory, instead of 45 minutes transport time by Porters. Now every samples is a STAT sample with TEMPUS600 system.

With the Total Turn-Around-Time (ToTAT) reduced from 85 minutes to 45 minutes because of TEMPUS600, the patients receive better treatment and return home earlier.

2 more Tempus lines installed

After successfully using the TEMPUS600 systems for a year, Ramathibodi Hospital decided to invest in another 2 new lines connected to other Blood Collection Rooms in the Main Building.

The 2 new TEMPUS600 systems was implemented on December 2017 and now Ramathibodi Hospital has 4 lines of TEMPUS600 systems connecting from Phlebotomy rooms, located at 3 different locations, and one of the new Sending Station at Emergency Room, to the Laboratory.