

Surgical Efficiency Analytics Solutions (S.E.A.S.)

Identify. Understand. Optimize.





The Market...

is in the midst of major transformation. At the heart of this are increased risks associated with continual changes in the US political climate, healthcare environment and reimbursement laws. The need to mitigate these risks is causing the healthcare providers to closely scrutinize costs and operational efficiencies in order to survive.

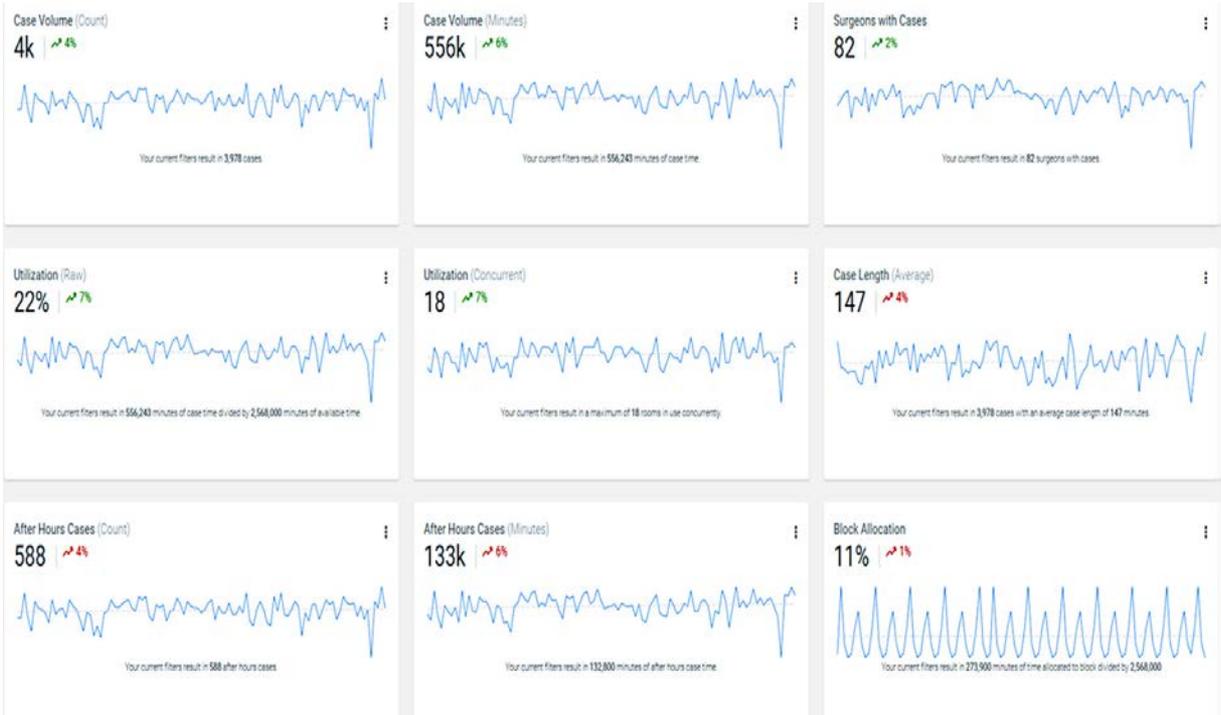
Hospitals...

have the data they need to achieve more operational efficiency. The key is to be able to use it easily and quickly to provoke actionable, relevant decisions. Common key performance indicators (KPI) , when optimized, will expose the path to cost savings and higher efficiency.

KARL STORZ...

offers **Analytical** software to optimize **Efficiency Solutions** in the **surgical** arena. It's the optimization of those KPI measurements where our perioperative analytics make the most difference between failure and success. Opportunities and solutions are customized based on hospital goals.

Efficiency is Made by ACTIONABLE ANALYTICS



Actionable

Case Study

A major hospital was considering expanding OR rooms. It seemed all of the prime time hours were blocked for surgeon's cases, so add-ons and emergencies were handled in the more expensive after-hours timeslots. The new OR rooms should relieve the congestion.

① Identify

20 Key Performance Indicators (KPI) for the surgical department are analyzed to clearly identify efficiency opportunities.

② Understand

Dynamic graphs help you understand the data from any point of view.

③ Optimize

Analysis suggests operational changes that will help optimize efficiency and yield immediate results.



Easy Setup



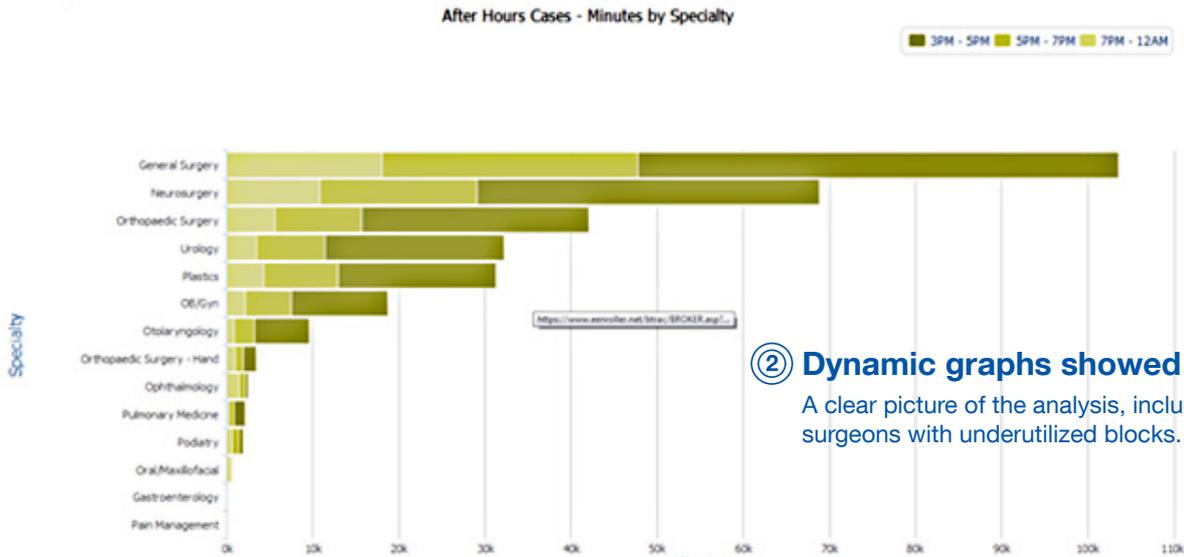
Instant Customization



Instant Reporting



End Users



② **Dynamic graphs showed**
A clear picture of the analysis, including surgeons with underutilized blocks.

③ S.E.A.S. Analysis Suggested

A compressed blocking schedule that would eliminate the need to add rooms, and take care of the cases more efficiently, resulting in a \$1.75 Million savings opportunity!



100%
Web Based



24/7/365
Support



Actionable

Complete List of Key Performance Indicators (KPI):

1. **Count of Case Volume:** How many procedures were performed in a specified time period?
2. **Minutes of Case Volume:** How many total minutes procedures used over a specified time period?
3. **Surgeons with Cases:** How many surgeons had scheduled procedures during a specified time period?
4. **Raw Utilization:** How much time are procedure rooms actually being used?
5. **Adjusted Utilization:** How much time are procedure rooms actually being used?
6. **Concurrent Utilization:** How many procedure rooms are being used at the same time?
7. **Block Utilization:** How much of the total room time assigned to surgeons is being used by surgeons?
8. **Block Allocation:** How much of the total available procedure time is assigned to surgeons?
9. **Out of Block Utilization:** How much procedure time are the rooms being used for walk-ins?
10. **Count of After – Hours Cases:** How many procedures occur after the busiest times of the day?
11. **Minutes of After – Hours Cases:** How many total minutes procedures used after primetime hours?
12. **Average Case Length:** How long does it take, on average, to perform a procedure?
13. **Prediction of Case Length – Accuracy:** How accurately is procedure length being projected?
14. **On-time starts, first case:** How many procedures begin at the scheduled time on the first procedure?
15. **On-time starts, Primetime:** How many procedures begin at the scheduled time during busy hours?
16. **Average Delay, first case:** How much time are procedures delayed on the first procedure?
17. **Average Delay, Primetime:** How much time are procedures delayed from schedule during busy hours?
18. **Average Turnover Time:** How much time on average does it take to clean a room and get it ready?
19. **Cancellation Rates:** How many scheduled procedures are cancelled?
20. **Average Supply/Implant Costs:** Average costs per procedure.

Use some, use all. These **KPI** are **customized** to expose the areas of opportunity your facilities are focused on improving.

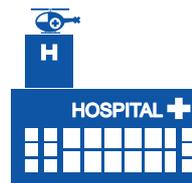
On Any Scale



KARL STORZ S.E.A.S. was designed for **scalability** and **affordability**. **S.E.A.S.** can address the surgical department’s operational challenges and provide immediate value.

Whether a Small Hospital...

or a Multi-Campus Research Facility



No Capital
Outlay



No Long
Term Contracts





Perfecting SURGICAL Outcomes

STORZ
KARL STORZ—ENDOSKOPE

THE DIAMOND STANDARD

KARL STORZ SE & Co. KG
Dr.-Karl-Storz-Straße 34, 78532 Tuttlingen/Germany
Postfach 230, 78503 Tuttlingen/Germany
Telefon: +49 (0)7461 708-0
Telefax: +49 (0)7461 708-105
E-Mail: info@karlstorz.com
www.karlstorz.com

KARL STORZ Endoscopy-America, Inc.
2151 East Grand Avenue
El Segundo, CA 90245-5017, USA
Phone: +1 424 218-8100
Phone toll free: 800 421-0837 (US only)
Fax: +1 424 218-8525
Fax toll free: 800 321-1304 (US only)
E-Mail: communications@karlstorz.com