

Improving Quality using a LEAN approach

Adding Value for our Patients: Opportunities from a Pathology Consolidation

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The Pathology Centre

Vision for the New Service



Care For Life

World Class



Constantly Improving



Best Practice



Innovation

People care for people

Every sample is a
person

She puts her **trust** in us

They wait and worry about what the test

will mean
People don't choose when to be ill

owe them our best

They don't care how or where the test gets done
They never question the results from the

laboratory
at all times

They **trust** us to get it right

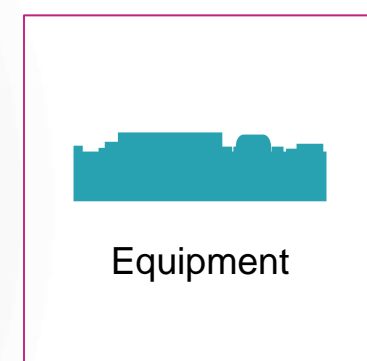
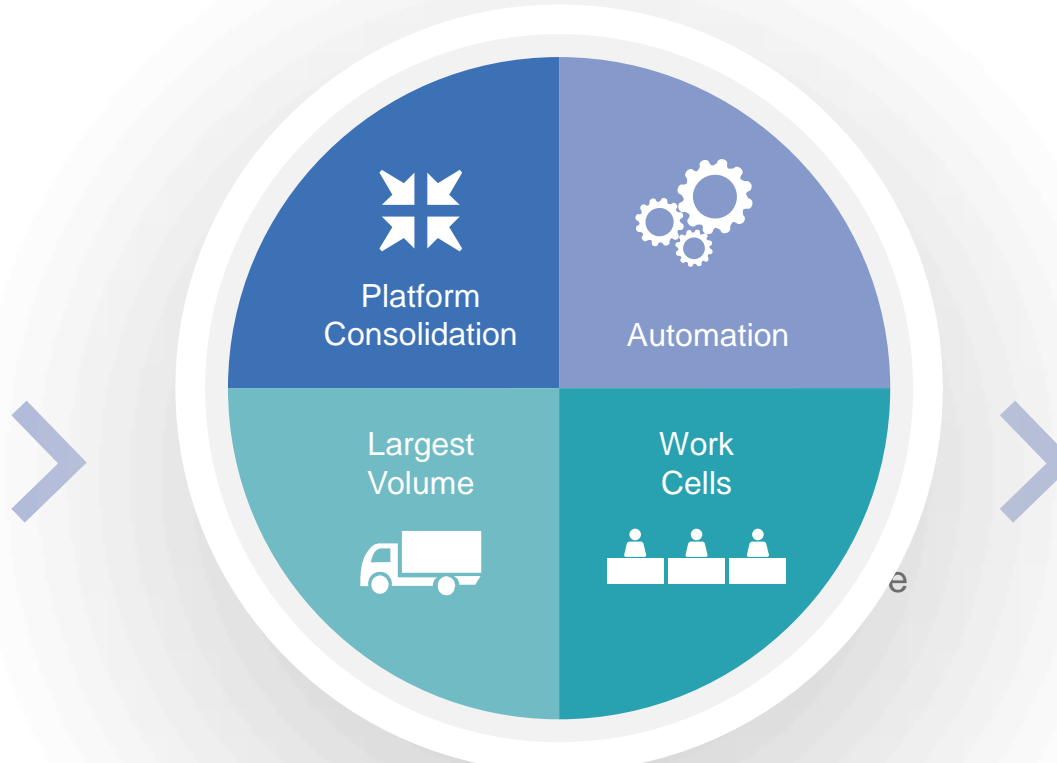
They have no direct recourse to complain



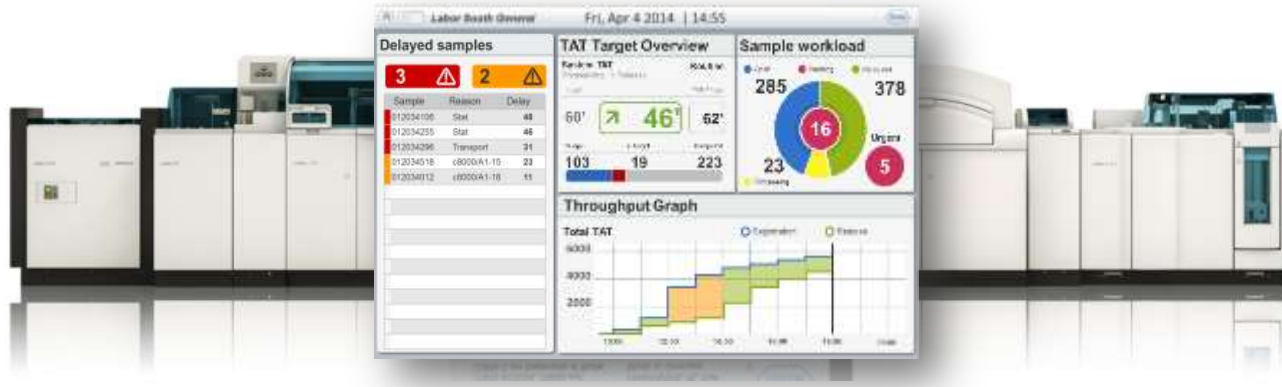
Challenges – all change at once



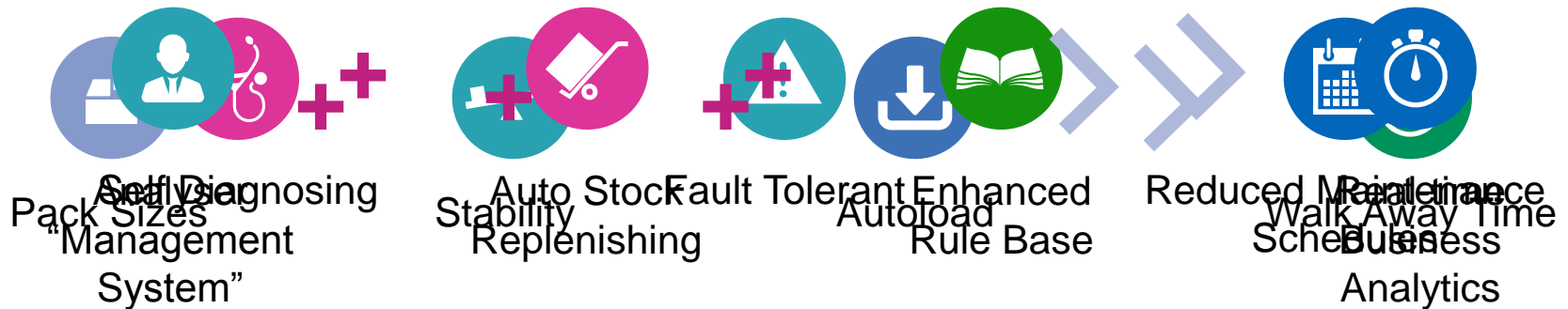
New equipment



Redefining the constraints



Remote Diagnostics



Facilitate new processes

e.g. Microbiology



Next day
for PM
samples

Delays

Now 24/7

TAT
Improved

Better antibiotic
prescribing

Savings

...must consider the whole pathway

New staff structure



Technology Focused Rules



Workload
 Scientists Freed Up, Adding Value



Understanding of Flow
Staffing Repertoire
 Task Visibility



Equipment
 Pull Staff to Work
Client Mix



Increased Staff Engagement & Commitment

New facilities



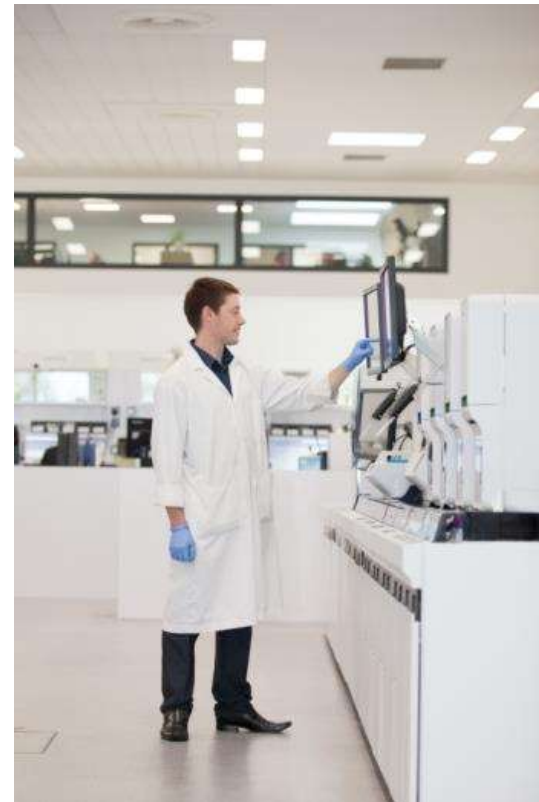
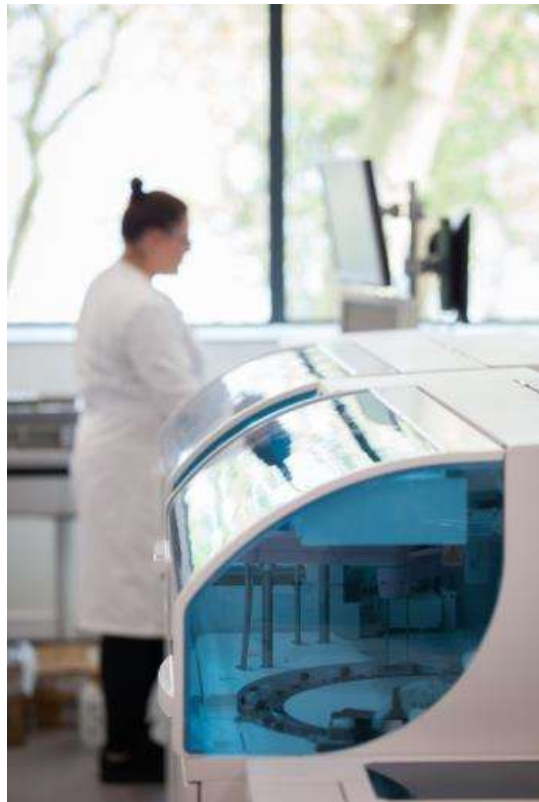
Flexibility built into the design



New laboratory



A Laboratory fit for purpose.....



for both now, and the future.....

New procedures



Gateshead Health NHS Foundation Trust



South Tyneside NHS Foundation Trust



City Hospitals Sunderland NHS Foundation Trust



> **3000**
PROCEDURES
over 3 combined sites



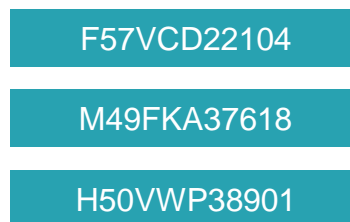
THERE SHOULD BE

1 BEST WAY

Old IT system



3 PATIENT ADMIN SYSTEMS



MULTIPLE
HOSPITAL RECORD
NUMBERS



4 ELECTRONIC ORDERING SYSTEMS



3 LABORATORY SYSTEMS



COMPLEX
CUTOVER PLAN



24 / 7

3 CONTINUOUS SERVICES

New IT system



100

FAILED EVENTS PER DAY



Increased Data Quality



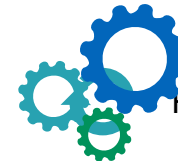
Real-time Error Checking
Minimal Touch



99%
Reduced Fault Risk

RELIABILITY

Sample ID Issued
Reject Defective Samples
Direct Loading



Reduces TAT



Automatic Registration
Remove Biggest Waits

Visual control system



Information
Anywhere



Real-time
Monitoring

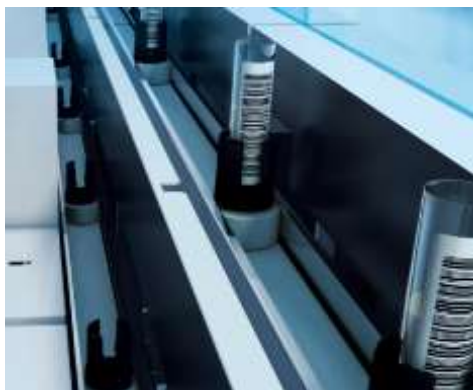


Error
Prevention



Customisable

Why is real-time necessary?



10,000

SAMPLES PER DAY



70,000

TESTS PER DAY



400,000

IT TRANSACTIONS
PER DAY

New logistics



GP Surgery



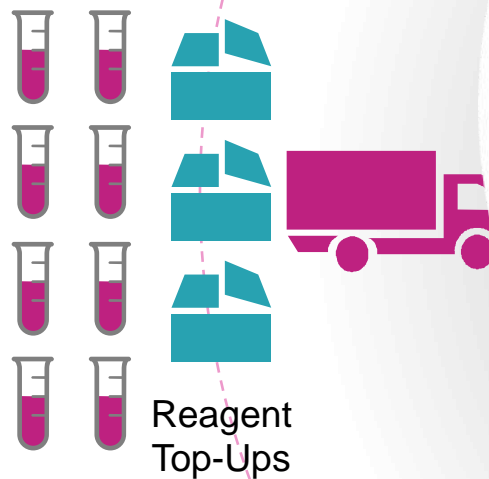
Hospital



New logistics



GP Surgery



Reagent Top-Ups



Where does Service Quality come from?



People care for people

Remember...
Every sample is a
person

Thank you.

