Enabling growth through Innovation in the Public Sector

10 MARCH 2023

The Speakers

——

Damon Crawford
Practice Director
SCC Hyperscale

Daniel Cartter
Head of Innovation
SCC

Who are SCC

scc.com

About SCC

Supporting customers across Europe

Lending strategic partner to **50+ leading vendors**

Multi-award winning Managed Services & Data Centres

Multi-lingual **service centres**

More than **6,500 colleagues**

45+ offices in the UK, France, Spain, Romania & Vietnam

47 YEARS
EXPERIENCE

TOP 10
PAN EMEA
RESELLER

TOP 5
UK RESELLER

TOP 5
UK BUSINESS
IN FRANCE

LARGEST
PRIVATE TECHNOLOGY
GROUP IN EUROPE

£2.6BN
GROUP REVENUE
Up 7% against prior year

£63.6M
PROFIT BEFORE TAX
Up 43% against prior year

£383M
SERVICES REVENUE
Up 11% against prior year

6,500+
COLLEAGUES

LED BY
CEO JAMES RIGBY

£1.802BN
REVENUE
In France
Up 6% against prior year

£0.777BN
REVENUE
In the UK
Up 7% against prior year

£74M
REVENUE
In Spain
Up 7% against prior year

1000+
COLLEAGUES
In our Service Centers
in Romania

110
COLLEAGUES
In our Service Centre
in Vietnam

scc.com

What we are seeing

Earlier intervention in the treatment pathway is needed

Resilient and stable senior leadership required

Introduction of Integrated Care Systems (Health and Care Act 2022), statutory ICSs

Geographic/ economic inequalities

Increase insight and prioritise workloads with Data Driven Care

High numbers of staff leaving the sector/ recruitment difficulties/ skills shortages

Increase digital access to NHS Services and encourage personal health management

Ageing population straining health and social care organisations

Social value and ethical supply chain

IT investment maximising patient care outcomes

Digital-first healthcare to break delivery barriers

Connect people, data and systems

An increase in cyber attacks on hospitals

What we are doing

Managing the clinical assessment and procurement process for dedicated clinical EPR

Delivery of PowerBI adoption roadmap at ICS level to solve data culture and integration issues

Advising Strategically and Supporting ICB's – then translating the advice into outcomes

Acting as the delivery partner for population heath initiatives to speed integration and reduce risk

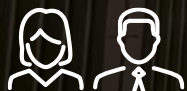Delivering Statutory reporting as managed service on cloud infrastructure

Providing Staffing as a service with managed outcomes to aid staffing concerns

Delivery and Support of EPR implementation, clinically led across all workstreams

Working with Innovation and providing solutions such as in home monitoring and virtual wards

Providing GreenBook5 Business Case preparations and Support

Utilising Rigby Finance to provide surety and solve Capex and Opex issues

Proving and delivering Digital-first healthcare through the Innovation Hub

Providing Infrastructure to meet the future needs of a connected healthcare ecosystem

Delivering best in class technical risk management – linked directly to patient pathways

Any Questions?

SCC

DIGITAL HUB
innovation in healthcare

NHS
South Warwickshire
NHS Foundation Trust

SCC

Digital Hub
Innovation in healthcare

Located at Stratford upon Avon hospital, a radically different approach, that brings together Industry, an Acute NHS Trust and Accademia to create an Ecosystem for Innovation

Innovation Sprints include..

- How digital can enable resilience in the Domiciliary Care
- How to inspire and develop people to recover post covid and build resilience for the future
- How to achieve Net Zero Carbon
- How do we Embed prevention in every service
- Development of services out of hospital, supported by technology and collaboration
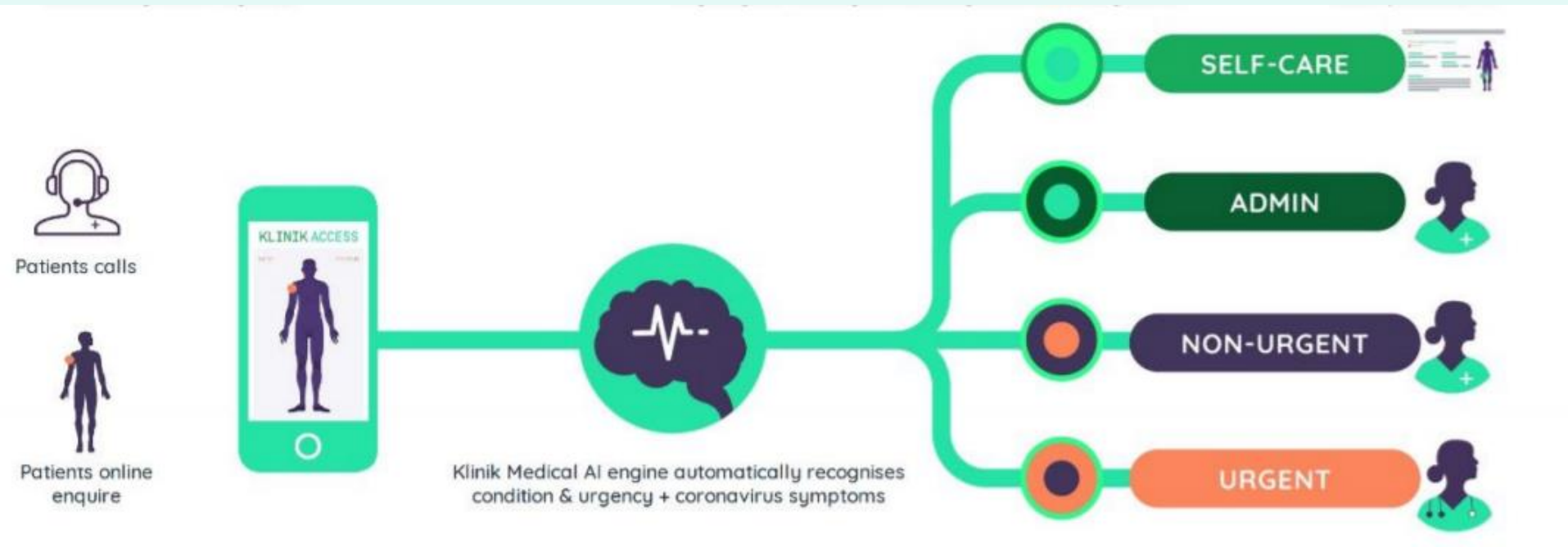
Specifically

Remote monitoring – Early Discharge – Digital Pathways – 3D printing – Wearable technology

Predictive Analytics – AI in Radiology – AI in Cardiology – ED Triage – Automation - Sustainability

Digital Triage - ED

DigitalHub
Innovation in healthcare

75% of ED attends don't require ED
10% of patients use 50% of bed days

Patients calls

Patients online enquire

KLINIK ACCESS

Klinik Medical AI engine automatically recognises
condition & urgency + coronavirus symptoms

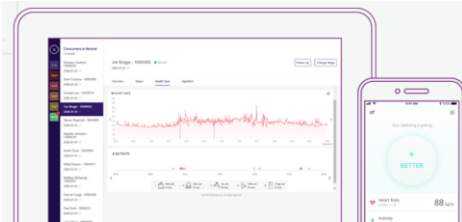SELF-CARE

ADMIN

NON-URGENT

URGENT

MySense is providing valuable insight which helps individuals remain independent and supported in their own home for longer which in turn frees up hospital beds and reduces admissions to A&E

SWFT Dementia Cohort Trail

- 58% reduction in GP appointments
- 80% reduction in hospital appointments
- 53% reduction in 999 calls
- 100% reduction in 111 calls
- 43% reduction in unnecessary visits from place based teams (PBT)

My Sense™

Wristband Sensor
Measures heart rate for drops or elevations that could indicate stress, illness or other abnormalities.

Door Sensor
Monitors unusual or even a lack of activity on front doors or fridges that could be signs of mental or physical issues.

Seat Sensor
Checks an individual's phy activity outside normal le like prolonged periods spe a chair.

Plug Sensor
Shows usage of a kettle, TV or other electrical devices that could flag unusual behaviour patterns.

Tap Sensor
Highlights changes to an individual's water consumption that could point to dehydration.

Toilet Sensor
Enables a carer to compassionately raise iss that an individual may fin sensitive to share.

Shower Sensor
Marks decreases in personal hygiene that could be a sign of mental decline or depression.

Bed Sensor
Situated under the mattress to measure prolonged periods lying in bed or erratic movement during sleep.
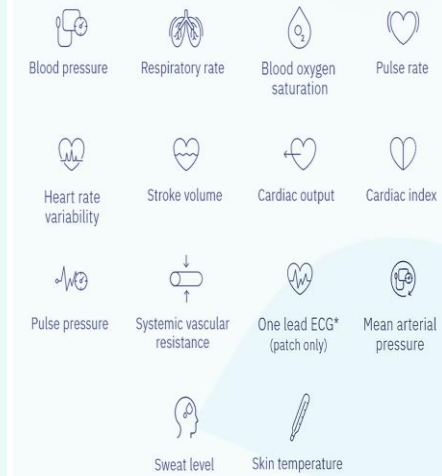
FOR HEALTHCARE LEADERS
HSJ AWARDS
FINALIST

Continuous Wireless Monitoring

The Biobeat remote patient monitoring platform measures vital signs in real-time using wireless, non-invasive, medical-grade technology.

Problems identified

- Infection control
- Wired is difficult to clean
- Occupational hazard waiting to happen.
- Transfer and mobilization of patients becomes more difficult
- Interruption in the continuous monitoring
- Electrical hazard
- Free up staff time
- Discharge early and safely

Accessible from any web platform

Smart alert system

Customizable thresholds for each vital sign and each patient

Department dashboard

View and manage your whole department from one screen

View graphs and historical data for each vital sign and each patient

Early Warning Score System

EWS based on NEWS.

Reports

Export reports for the whole department at the click of a button

Medical 3D Printing
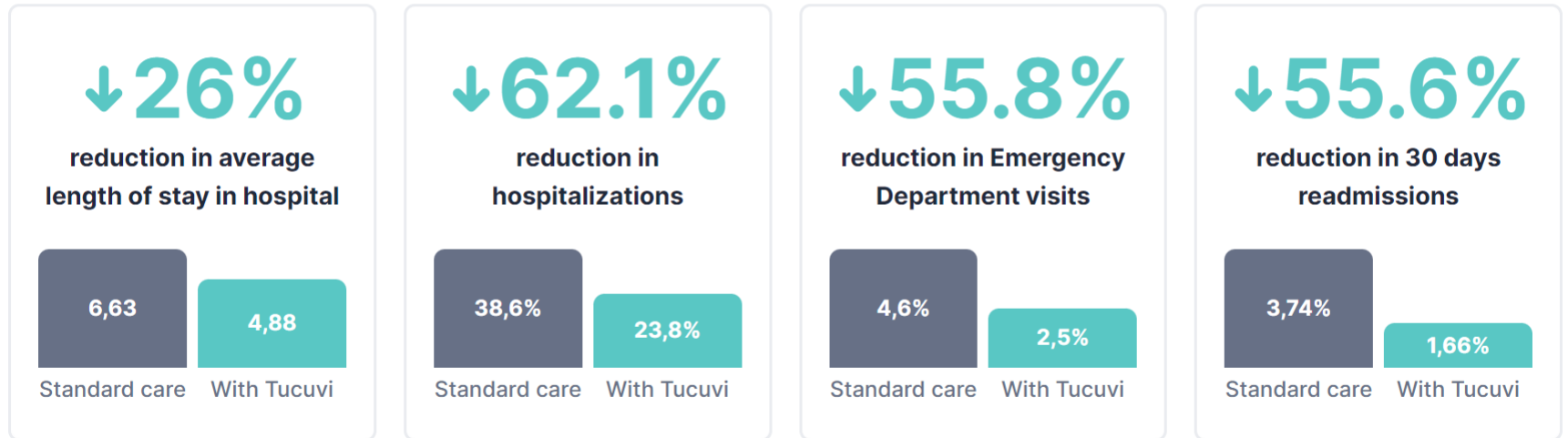
Premature Pippa back home thanks to '3D heart'

- Print as a Service model
- 48 Hr turnaround
- £50 - £500 cost per model

Automating medical phone conversations through empathetic AI with tucuvi

Home hospitalization unit

Standard care vs Tucuvi follow-up

↓**26%**
reduction in average length of stay in hospital

Standard care	With Tucuvi
6,63	4,88

↓**62.1%**
reduction in hospitalizations

Standard care	With Tucuvi
38,6%	23,8%

↓**55.8%**
reduction in Emergency Department visits

Standard care	With Tucuvi
4,6%	2,5%

↓**55.6%**
reduction in 30 days readmissions

Standard care	With Tucuvi
3,74%	1,66%

348 patients with Standard care follow-up and 241 patients with Tucuvi follow-up participated in this study.

You are welcome to visit – come innovate with us !

Turning Sustainability Ambition into Action

Powering Clean Growth: TEP
Development Plan

UK's First Low and Zero
Carbon Refuelling Station

Decarbonising Birmingham
and the Wider Region

TEP is focused on

Harnessing the vision, passion and innovation of industry, academics & local government

- **generating** low and zero carbon energy and fuels from waste
- **producing** low and zero carbon transport fuels including Hydrogen, Electric charging, Biogas and Bio Diesel / GTL
- **innovating** clean technology business through direct access to world class, research, testing and laboratory facilities at the University of Birmingham's Energy Innovation Centre
- **leading** the low carbon heating agenda via the National Centre for the Decarbonisation of Heat
- **incubating** companies/technologies through the Energy Incubation Hub that will shape the future of:
  - fuel cell and hydrogen production
  - smart grids
  - decarbonisation of heating and cooling
  - and recycling critical materials, e.g. rare earth metals
- **influencing** and shaping regional policy to support clean growth and driving change

- **digital** – National Showcase for Digital Sustainability technologies

Digital Showcase Capability

Capture, consolidate, and analyse sustainability data

SCC — MADE IN BIRMINGHAM

Data

Utility billing data	Transport and stationary fuels	Refrigerants & fugitive gases	Electricity produced	Building Management, IoT, and Meter data	Production metrics	Building metrics	Weather data
Electric, Gas, Water	Diesel, petrol, LPG, propane aircraft fuel, LNG, bio-fuel	100+ gas types	Solar, wind, bio-gas, hydro, thermal	NMI meters, smart meters, sub-meters, control signals, sensors	Unit, tonnes, $, litres, hours	m², FTEs, occupant hours, building ratings, visits	HDD, CDD, rainfall, humidity, irradiation

Certificates & offsets	Waste & recycling	Materials	Transportation	Fleet and Carrier data	Social Data	Company metrics	Governance Data
RECs, carbon effects	300+ waste & recycling data types	100+ material types, construction and building	Air travel, taxi, train, car	Shipping Costs	Community investment, donations, volunteer hours	Headcount, rooms, beds, meals, sales	Diversity, inclusion, equity

Systems

Organizational level
1. ERP (financial)
2. Health & Safety
3. HR
4. Asset Management
5. Supply Chain Management

External frameworks
1. TCFD
2. CDP
3. GRESB
4. SASB

Building level
– BMS/BAS
– Metering

EDGE/ 5G Devices
– Mobile
– IoT Devices
– RFID

Environmental
– Weather Stations
– Radar
– Geospatial
– Satellite imagery
– Geiger-mode LIDAR

Infrastructure

Employee Computers	Public Cloud	Private Cloud	On-Prem Data Centers

Technology

Hybrid multi-cloud	Artificial intelligence	Advanced analytics	Blockchain	5G & mobile technology

Dedicated National Recycling Facility

Ground Floor Plan

What are the Services?

Fixed Site Services

We offer 3 core services. All services include:

- Comprehensive Asset Management
- Auditable Reporting
- Secure Data Destruction (Erasure or Physical Destruction)

Refurbishment

Comprehensive diagnostics

Cosmetic assessment

Electrical integrity / PAT Test

Internal / external clean

Bespoke packaging

Allocation of unique product codes

Securely stored prior to redeployment

Remarketing

Comprehensive diagnostics

Graded against marketplace criteria

Pre-sale segregation to maximise revenue

Dedicated remarketing sales team

Multiple avenues to market

Revenue return to customer

Recycling (Disposal)

WEEE directive applied

Separation of hazardous materials

Shredding separation of materials

Granulation of data bearing media

Waste fractions sent to reprocessors for reconstitution

Zero landfill policy

On-site Services

We can mitigate risk before end-of-life assets leave the customers' location using our full portfolio of on-site services:

Secure Data Erasure

Degaussing

Government Certified Physical Destruction

SCC Recyclea

Thank you !

SCC