

Graphical capture from: Digital technologies for improving productivity in food manufacturing. A joint event from The Internet of Food Things Network Plus and the Centre for SMART. Held at Loughborough University London on 2nd April, 2019. DOI: 10.5281/zenodo.2670050



DIGITAL TECHNOLOGIES FOR IMPROVING PRODUCTIVITY IN FOOD MANUFACTURING

WELCOME

SHAHIN RAHIMIFARD
CENTRE FOR SMART

WHY ARE WE HERE TODAY?

UNDERSTANDING HOW WE CAN DIGITISE AND USING LESS RESOURCES

CONSIDER OTHER OPTIONS ???

WHAT DOES THE FUTURE HOLD?

INDUSTRIAL 4.0 REVOLUTION

MOORE PRODUCT

SUSTAINABILITY + WASTE REDUCTION

STEVE BREWER
IoFT NETWORK PLUS

CLOSING COMMENTS

CULTURE NOT TECH WILL ENABLE SECTOR LEADERSHIP

EXPERIMENTATION MINDSET NEEDED

WASTE REDUCTION DRIVING FACTOR

DATA SHARING CRUCIAL, NEED TO OVERCOME BARRIERS

TRUST NEEDS TO BE BUILT + PROTECTED

CONTINUAL RESKILLING NEEDED AT ALL LEVELS

POLICIES NEEDED TO CO-ORDINATE DATA STANDARDS

HOW CAN TECHNOLOGY ASSIST EFFICIENCY + REDUCE WASTE

NO SHORTAGE OF DATA! BUT NOT ACCESSIBLE

LESS PAPER

EMPOWER PEOPLE WITH CONNECTIVITY

PULLING IN ALL ASPECTS OF DIGITAL TECH ACROSS THE SUPPLY CHAIN

INSTALL SIMPLE TECH NOW - ITS AVAILABLE

TEMPERATURE CONTROL IN FRIDGES

2001 - TESCO PAID BACK AS BETTER COMPLIANCE PROBLEMS ARE KEEPING CONNECTIVITY IN TRANSIT

2011 NEW FACTORY

PROMESSA DOUBLED OUTPUT WITH AUTOMATED LOGISTICS TO MONITOR PROCESSES

MEAT QUALITY ANIMAL WELFARE PRODUCTION EFFICIENCY LESS WASTE

DAVID MAY
LINCOLN INSTITUTE OF ROBOT-FOOD TECHNOLOGY

MATTHEW SIMPSON
CBS SYSTEMS

THE CONNECTED SUPPLY CHAIN

PLAN →

HOW DO I MAKE IT BETTER THROUGH DIGITIZATION

ON CRITICAL PROBLEMS PERSONAL TO EACH BUSINESS

UNITED BISCUITS & ULKER (YILDIZ)

GLOBAL SUPPLY CHAINS

PRODUCTS FROM ALL CORNERS OF THE WORLD

INNOVATION WORKGROUP IMPROVE SOLUTIONS TO PROBLEMS INVESTMENT STRATEGY

SATELLITE OVER CROPS

VEGETATED INDEX OTHER OVERLAY

EYE IN THE SKY

ALLOW FORECASTING

BRAVO + JAGGAER ANALYTICS CHANGED ONE PROCESS

SECURING TOOLS PUT IN PLACE

PROCUREMENT TURNOVER

£2.5 BILLION

POLICY TO ENGAGE KNOWLEDGE STRATEGY

TAILORED SUPPORT FUNDS SETTING THE GOVERNANCE

JOHN TITMUS

CEOSPATIAL STRATEGY

USING EXISTING TECHNOLOGY TO IMPROVE

BARFOOTS

KESTON WILLIAMS

INFLATION POINT

SIMPLE MODEL

CUSTOMER DRIVEN

ZERO WASTE

£100 MILLION COMPANY

OUTSOURCE LOGISTICS

40% OF ALL RECIPES ORDERED FOLLOW DATA DRIVEN RECOMMENDATIONS

OLD FASHIONED TECHNOLOGY LAYERED

ALGORITHMS KEEP BUSINESS RELEVANT TO AUDIENCE

CAN SWAP ITS INGREDIENTS

150 EMPLOYEES LONDON

350 WAREHOUSE

BALANCING ACT BETWEEN LEADING CUSTOMERS & SUPPLY LED

CHALLENGES OF SUPPLY CHAIN PLAN, PLAN, PLAN!!

MARKET IS WIDE OPEN

FRAGMENTATION OF CUSTOMERS

NEED TO ADAPT MONITORING ONLINE HABITS

UNDER SCRUTINY FROM CUSTOMERS ON SOCIAL MEDIA

MACHINE LEARNING

MAJORITY OF STAFF AGES 35-50

MANAGING PERSONALISATION PORTFOLIO

DIRECT CONTACT WITH CUSTOMERS THROUGH PERSONAL TECHNOLOGY

ADVANCED ANALYTICS

IMPLEMENT SENSORS

MARC JANSEN GOUSTO

DAVID SPRENT

natalka design