
Introducing...

Johnny Grey

Principal – Johnny Grey Studios

Adam Thomas

Director – Adam Thomas Consultancy



Office for
Disability Issues

The National Innovation
Centre for Ageing (NICA)

AEG



KESSEBÖHMER

06

Eat, Share, Live

Design an inclusive, accessible and multi-generational kitchen space or kitchen component that works for all ages, as well as for disabled and non-disabled family members, so they can prepare, cook and serve food, entertain, engage in hobbies or work and enjoy life together.

Awards:

ODI Award of £1000

2 x Industry Awards of £1000 each



BLANCO
GERMANY

Symphony®

RSA STUDENT DESIGN
CHALLENGE



EAT SHARE LIVE

JOHNNY GREY

VISITING PROFESSOR OF
DESIGN AND KITCHEN
CULTURE

ADAM THOMAS

DESIGN CONSULTANT AND
LECTURER

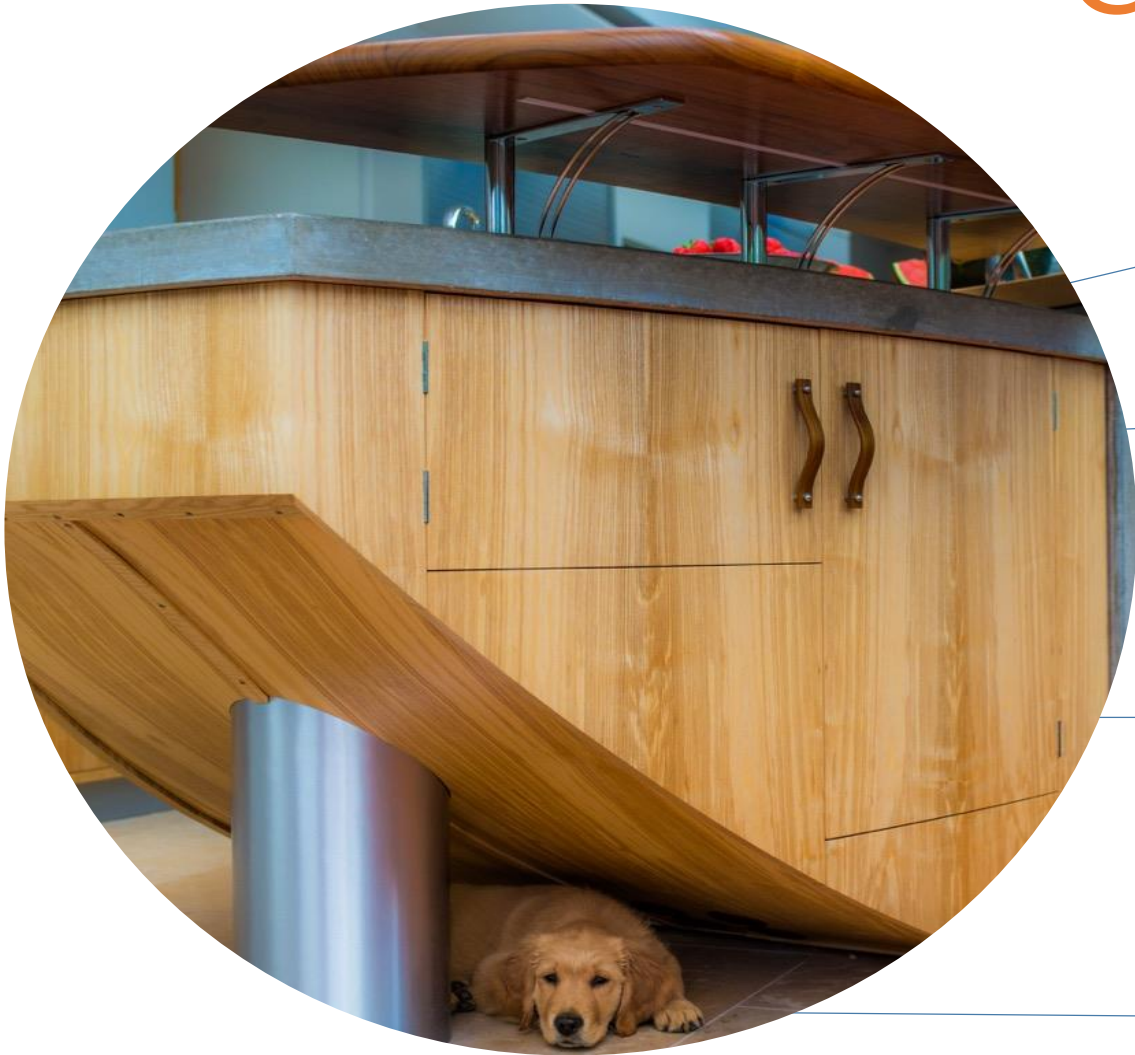
CONTENTS

SPATIAL
DESIGN

TIME

NICA & 4G
KITCHEN

INNOVATION



THE LIBERATED, SOCIABLE KITCHEN



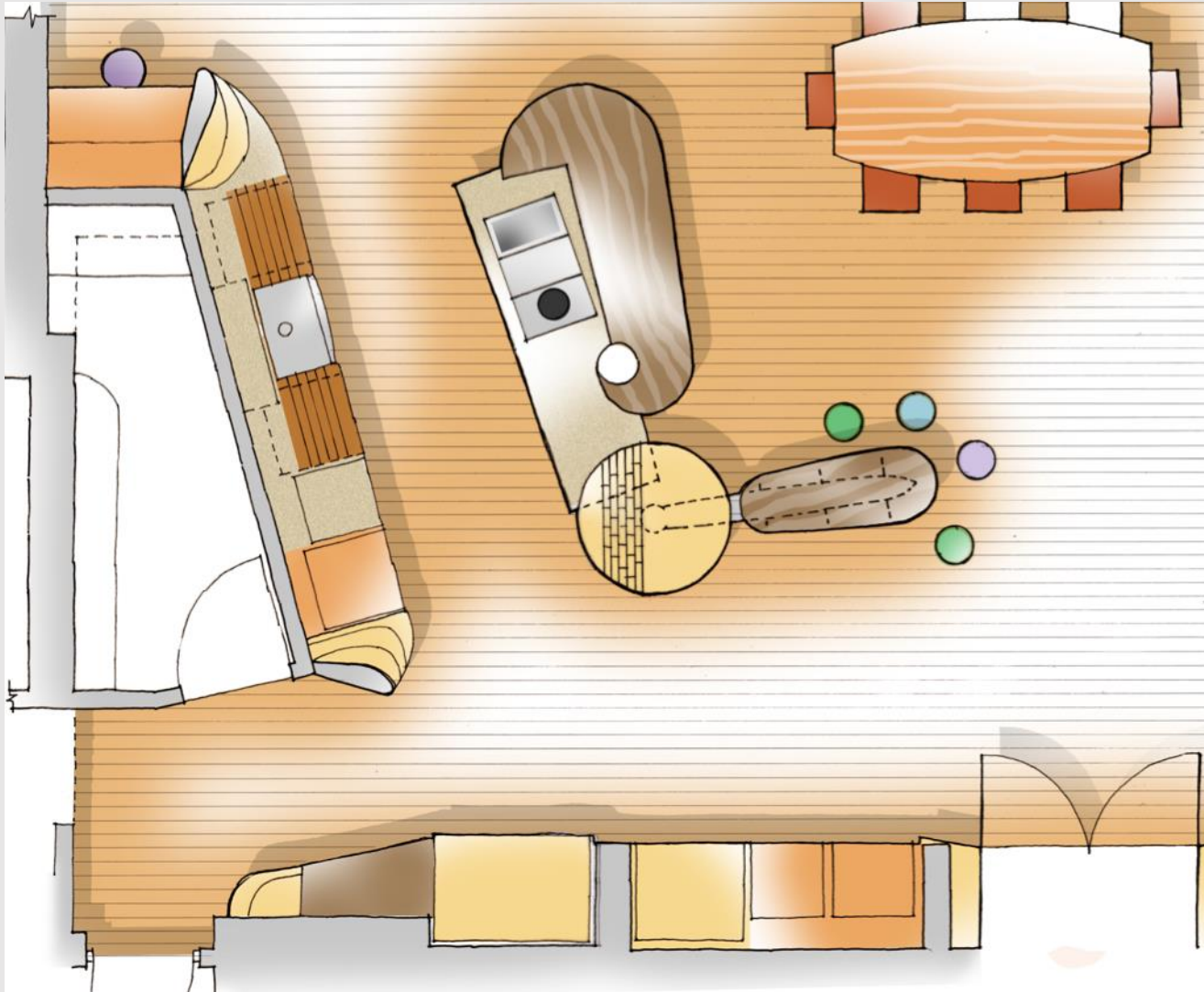
FINDING A NEW ROLE: 4G KITCHEN AS HOME CAFÉ OR PUB



INTERLINKED TABLES AND EYE CONTACT



APORTIONING SPACE FOR 4G KITCHEN



CULINARY ZONE 40%

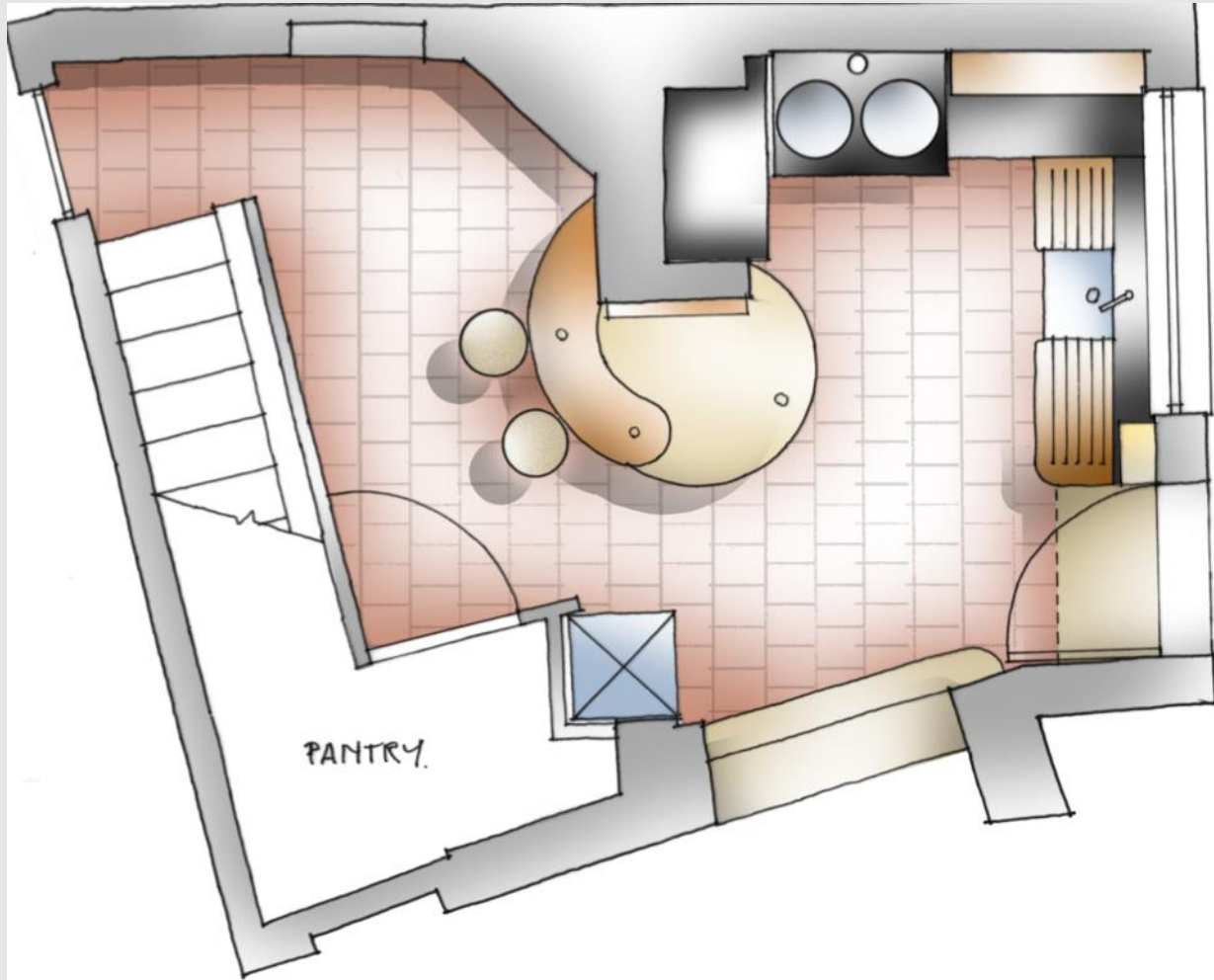
CENTRAL ISLAND OR
PENINSULA 20%

WALK-IN PANTRY 10%

TABLE 20%

SOCIAL FURNITURE 10%

SMALL KITCHENS & PENINSULAS



RISE OF THE PANTRY AND ROLE OF FURNITURE



ERGONOMIC TECHNIQUES & ACCESSIBILITY



I HAVEN'T BURNT MYSELF ONCE SINCE
HAVING MY NEW KITCHEN

PEOPLE COME INTO MY HOME AND
DON'T REALISE ITS DESIGNED FOR A
DISABLED PERSON

TO BE ABLE TO OFFER A FRIEND A CUP OF
TEA AND MAKE IT MYSELF MAKES ME CRY
WITH HAPPINESS

I CRIED FOR THE FIRST WEEK EVERY TIME
I USED MY KITCHEN - YOU HAVE
CHANGED MY LIFE — THANK YOU

DESIGN AND EMOTIONAL SUPPORT



THE KITCHEN HAS TIME ZONES

18 HOUR ROOM



7 DIFFERENT DAYS

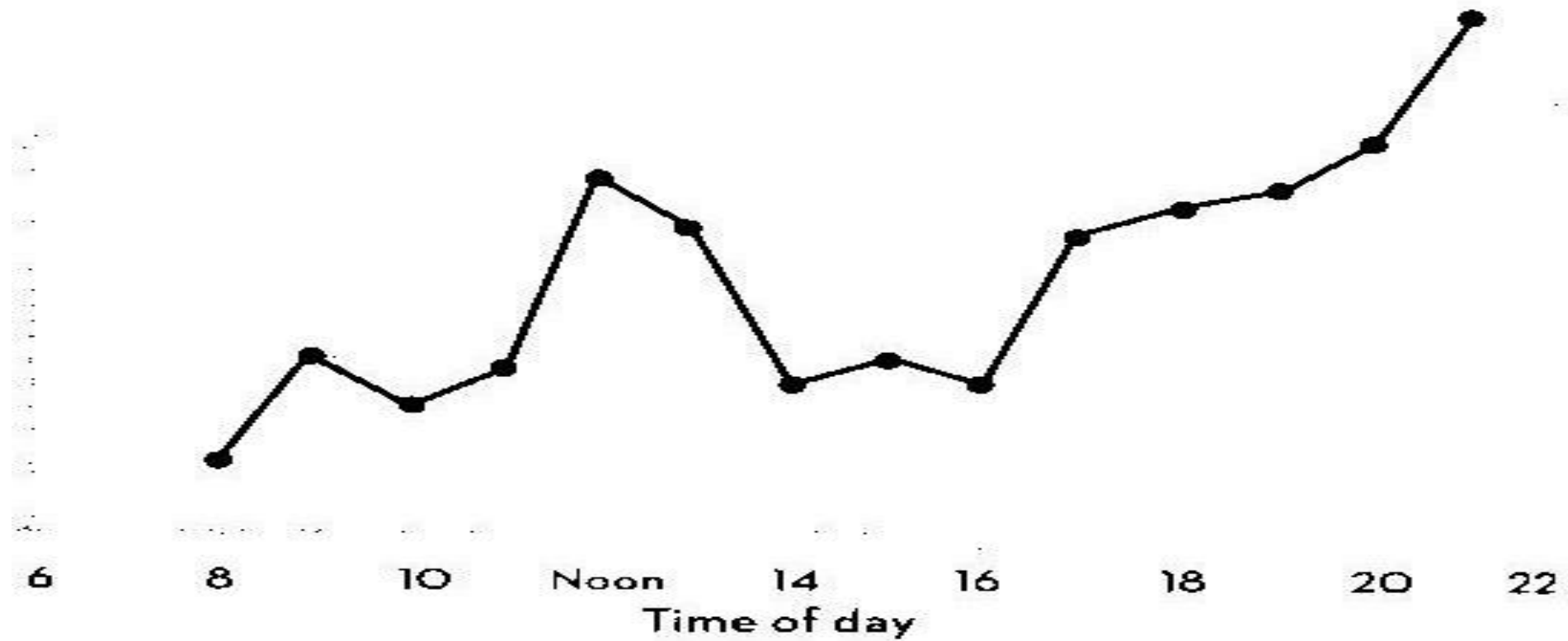
ACTIVITIES AND TIME IN THE KITCHEN

Study by Prof Richard Layard, LSE

Activity	Average happiness	Average hours a day
Sex	4.7	0.2
Socialising	4.0	2.3
Relaxing	3.9	2.2
Praying/worshipping/meditating	3.8	0.4
Eating	3.8	2.2
Exercising	3.8	0.2
Watching TV	3.6	2.2
Shopping	3.2	0.4
Preparing food	3.2	1.1
Talking on the phone	3.1	2.5
Taking care of my children	3.0	1.1
Computer/email/Internet	3.0	1.9
Housework	3.0	1.1
Working	2.7	6.9
Commuting	2.6	1.6

CHOREOGRAPHING THE EMOTIONALLY SMART KITCHEN

Graph from Happiness, by Richard Layard



HOME DESIGN AND FAMILY INTERACTION

Miller and Maxwell, Cornell University

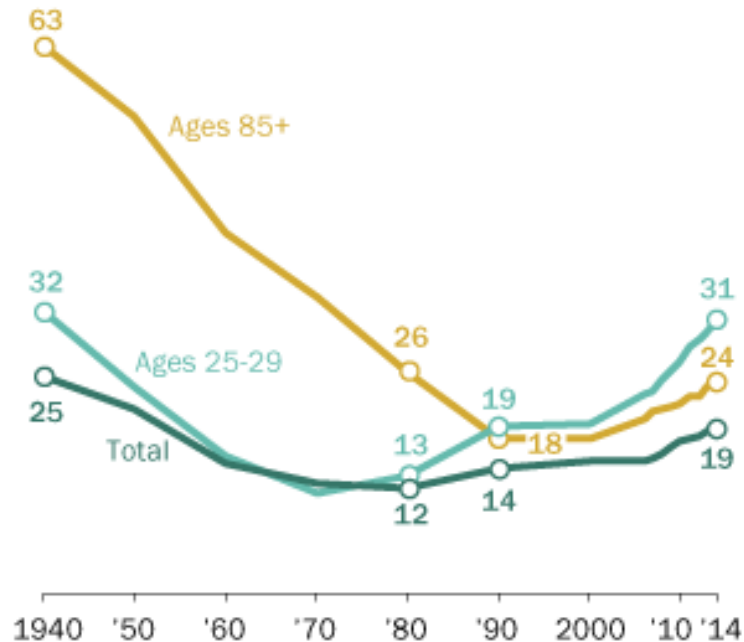
SPACE

% FAMILY INTERACTION

KITCHEN	22.49
KITCHEN, DINING, LIVING COMBI	16.25
LIVING RM	14.03
DINING	10.36
CHILD'S BEDROOM	5.90
PARENTS BEDROOM	3.77
BATHROOM	3.08
PLAY ROOM	1.14

Young adults replace older ones as age group most likely to live in a multigenerational household

% of population living in multigenerational households



Source: Pew Research Center analysis of U.S. Decennial Census data, 1940-2000, and 2006-2014 American Community Survey (IPUMS).

PEW RESEARCH CENTER

MULTI GENERATIONAL KITCHEN MARKET

Population rising in different types of multigenerational households

In millions

	2012	2014
Two adult generations	27.3	29.7
Three or more generations	26.5	27.7
Skipped generations	3.0	3.2

Note: Skipped generation includes grandparent(s) and grandchild(ren). For more detail, see Appendix B from Pew Research Center's July 2014 report "In Post-Recession Era, Young Adults Drive Continuing Rise in Multigenerational Living."

Source: Pew Research Center analysis of 2012 and 2014 American Community Survey (IPUMS).

PEW RESEARCH CENTER

USA 2014
60.6 million live
in
MG homes

UK
A need for an extra
125,000 MG
homes/year
accommodating
500,000 people



National Innovation Centre for Ageing



Newcastle
University

WHO IS NICA?

£40M JOINT INVESTMENT
WITH NEWCASTLE
UNIVERSITY

FACILITATING
COMMERCIALISATION

INNOVATING FOR BETTER,
LONGER LIVES



National Innovation
Centre for Ageing

4G Kitchens Workshop

21-22 July 2017



KEY REQUESTS FROM VOICENORTH WORKSHOPS

1. VOICE ACTIVATION
2. ROBOTS THAT CLEAN NOT COOK
3. SCREEN ON WALL
4. HOT SEAT
5. GARDEN & SKY VIEW
6. TWO WORKSTATIONS
7. ADJUSTABLE HEIGHT SURFACES



INNOVATION RESEARCH AND SUPPORT

- MACULAR DEGENERATION
- ARTHRITIS
- DEMENTIA
- MOBILITY, WHEELCHAIR USE
- NEUTROPENIA
- ERGONOMICS FOR AGEING



REAL TASKS



I have difficulty lifting a pan to strain my vegetables



I have difficulty opening bottles, jars or safety caps



I have difficulty turning the taps in my kitchen



I often lose track of what I am doing in the kitchen and worry about things like leaving the cooker on



My sight makes it difficult for me to read things such as newspapers, magazines, mail and cooking instructions



My sight makes it difficult to measure or weigh cooking ingredients



DON'T FORGET KIDS AND TEENAGERS



COOKING AS CRAFT PLAY SPACE & CARPETS
LOW LEVEL AREAS SOFAS TOY CUPBOARDS



A hand holding a golden chalice against a blue sky. Inside the chalice, a miniature castle with multiple towers and flags is visible. Several knights in medieval armor are positioned around the castle. A single white cloud is at the bottom of the frame.

.....THE HOLY GRAIL

THINK SIDEWAYS



INNOVATION: OUR TOOLS AS DESIGNERS

AFFORDANCES
& AFFECTING
BEHAVIOUR



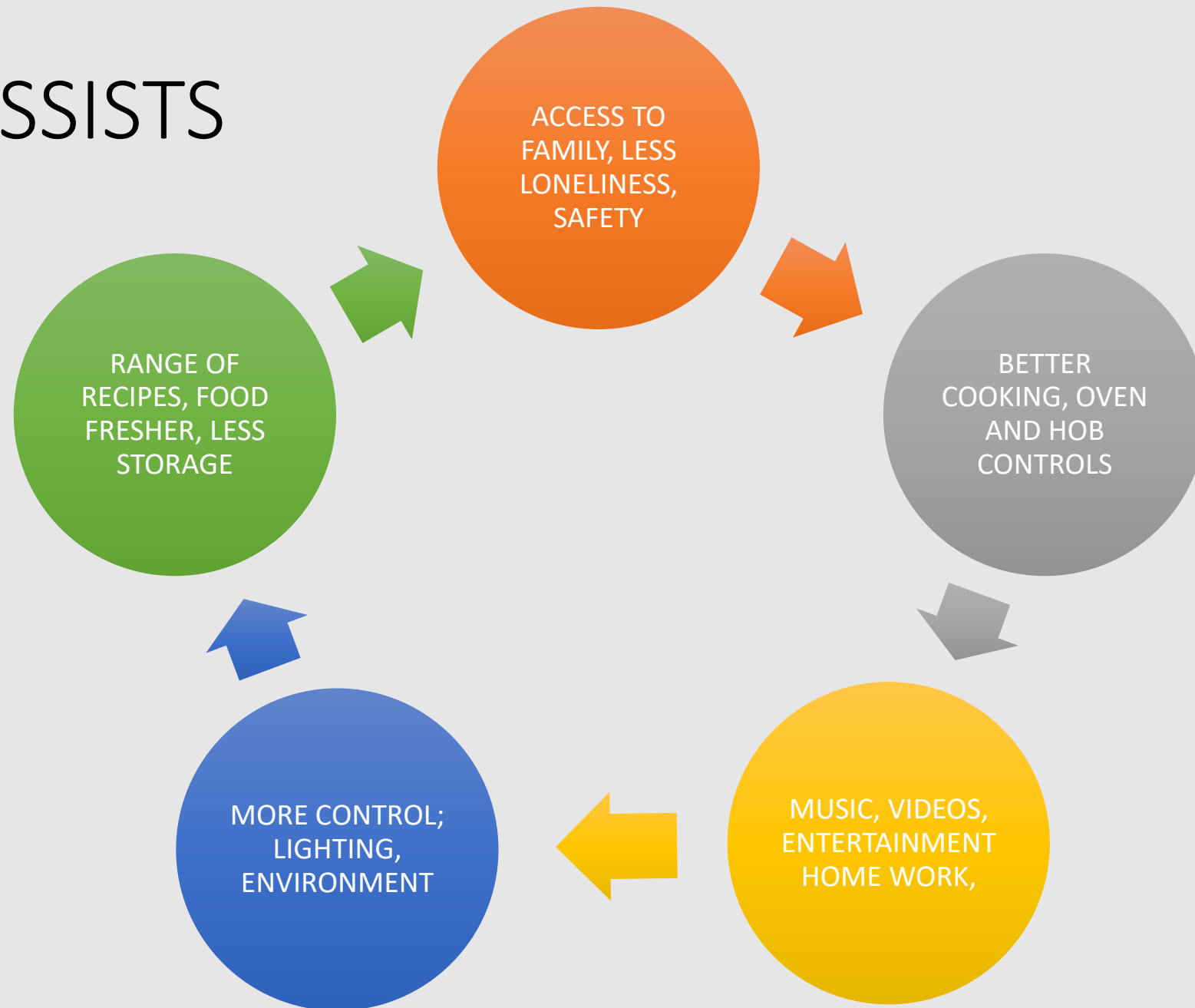
SOFTWARE, HARDWARE,
NEW THINKING.

HANDS, EYES, FEET AND BRAINS
EMOTIONS, PHYSICAL
MOVEMENT.

CHANGE CONVEYORS NOT
DISRUPTERS



TECH ASSISTS



APPLIANCE FUTURES: FIXED OR FREESTANDING



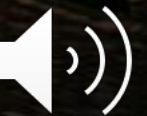
OFFER TO STUDENTS

- WORK WITH OUR KITCHEN RESEARCH PROGRAMME
- COMMERCIAL ACCESS TO FUTURE PARTNERS
- FREE CONSULTATION ON DESIGN PROTECTION STRATEGY BY GOWLINGS
- ENDORSEMENT BY NICA





ANYTHING GOES



THE END

Special thanks to

NICA RSA
KITCHEN EDUCATION TRUST
SYMPHONY KITCHENS AEG APPLIANCES
BLANCO KESSEBOHMER

ADAM THOMAS CONSULTANCY
JOHNNY GREY STUDIOS

