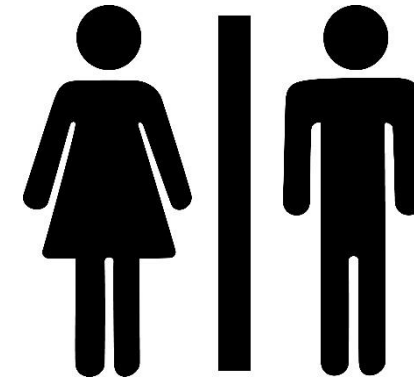






Slides		
<ul style="list-style-type: none">• Why are we here?<ul style="list-style-type: none">– CI Workshop– Expectations• Who are ITDev?<ul style="list-style-type: none">– Our Values– Our services	<ul style="list-style-type: none">• Industry presentations<ul style="list-style-type: none">– ITDev– Ericsson– Snowflake Software– Raymarine	<ul style="list-style-type: none">• Breakout & Feedback<ul style="list-style-type: none">– Challenges– Solutions• Wrap-up


- Fire Alarms
- Mobile phones
- Toilets
- Lunch



- Jon Older – ITDev Business Development Manager
 - History of running industry networks
 - Passion for industry
- Who are you stood next to ...



- Who else is here
 - Attendee List
- Format of the day
 - Agenda
- Feedback form
 - Fill in Key Challenge



Phone: +44(0)23 8098890
Fax: +44(0)1871 431038
E-mail: info@itdev.co.uk
Website: www.itdev.co.uk


I.T. Dev Limited
Kenneth Dibben House
Southampton Science Park
SOUTHAMPTON, SO16 7NS

Continuous Integration Workshop

26th April 2018

Attendee List

First Name	Surname	Company
Alan	Routledge	U4 Global
Andrew	Hart	Abaco
Andy	Newton	Snowflake Software
Charles	Woolf	Bole Manor
Dan	Laird	Ericsson
Darryl	Baker	BAT
Doug	Clarke	Sonardune
Graham	Smith	Exora
Greg	Masters	Phabrix
Ian	Reed	Cablestone
John	Lazo	Abaco
Jorge	Cruz Lambert	Siemens
Kevin	Conroy	Raymarine
Maurice	Ezeoke	BAT
Mike	Moncrieffe	Cartesian
Nathan	Myers	Tracerco
Nick	Dyer	Bole Manor
Nick	Tinsley	Snowflake Software
Oli	Deakin	Snowflake Software
Rob	Kersey	BAT
Stuart	Lissaman	Abaco
Thom	Falls	Exora
Thomas	Thorne	Frauscher
Tim	Cristofina	Abaco
Andy	Culmer	ITDev
Bruce	Mitchell	ITDev
Jon	Older	ITDev
Steve	Dwyer	ITDev
Rowan	Johnson	Photographer



Phone: +44(0)23 8098890
Fax: +44(0)1871 431038
E-mail: info@itdev.co.uk
Website: www.itdev.co.uk

I.T. Dev Limited
Kenneth Dibben House
Southampton Science Park
SOUTHAMPTON, SO16 7NS

Agenda

- Introduction & Welcome.
- Aims of the day
- 4 presentations on industry best practice
- Breakout session 1
 - Key challenges
- Feedback from each group on challenges
- Lunch + networking
- Breakout session 2
 - Addressing key challenges
- Feedback on approaches
- Lessons, review aims, next steps if any.
- Possible future workshop

Notes

- What are our expectations from today?
- Mine
 - To meet industry peers
 - Understand the need or not for a network
 - Learn more about CI
- Video
 - Rowan is filming
 - Promotion of the Network
 - Engaging others

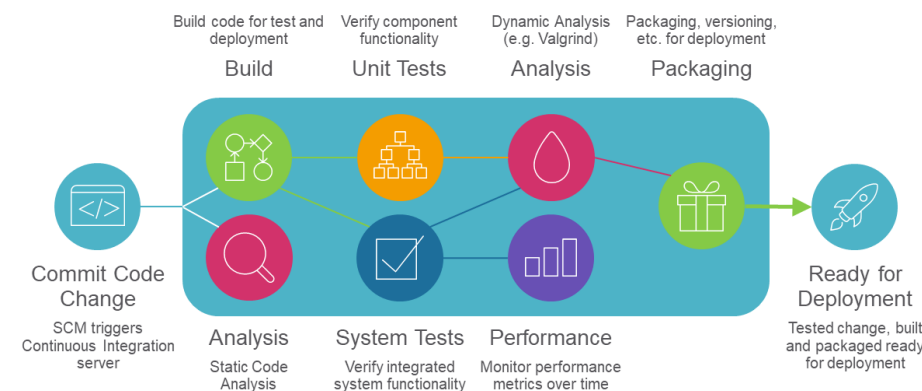


- Continuous Integration challenges
 - Various industry discussions
 - Need for sharing knowledge?
 - Am I alone with my challenges?
- Opportunity to
 - Share best practices
 - Hear from leading organisations
 - Identify common challenges
 - Address challenges



CONTINUOUS INTEGRATION

A Typical CI Flow

www.itdev.co.uk
Copyright 2018 I.T. Dev Ltd.

- To provide value
 - To clients
 - To wider industry
- Addressing a need
 - Embedded systems network
- Raise our profile



Who are ITDev?

“We believe that we are defined by our shared values.”

- Come directly from our team.
- Embodied in our culture.
- Reinforced by our employee rewards scheme.

“They drive our decision making, the way we work and our relationships with our clients, suppliers and peers.”



Considered

“We invest for the long term in everything that we do. We believe that quality ultimately equates to efficiency. We won’t overcommit ourselves for a short term gain; building trust is far more important.”



Passionate

“We enjoy our work and are passionate about the technologies, people and companies we work with. We’re also passionate about the service we provide and aim to impress at every opportunity”

Software

- Embedded software
- Drivers
- Firmware
- Digital signal processing
- Virtualisation
- Measurement & control
- Databases
- Web based apps & interfaces
- User interfaces

Hardware

- FPGA & digital IP design
- Architecting
- Design partitioning
- Verification & analysis



Broadcast expertise

- H.264, MPEG2, JPEG 2000, ...
- Compression algorithms
- Audio and ancillary data
- Transport over serial and IP



Example products:

- Video encoders & receivers
- Low latency TV broadcast systems

Main languages

- C, C++, C#
- Python
- PHP
- SQL
- VHDL

Processes & tools

- Agile: Scrum/Kanban
- Continuous integration
- Feature and bug tracking
- Revision control (SVN, Git)
- Online peer review
- Online portal
- Quality Management System

Embedded Linux expertise

- Custom kernels
- Kernel driver development
- Board Support Packages (BSPs)
 - Buildroot, Linux device tree
- Various micros (STMicroelectronics, Atmel ...)
- Application development



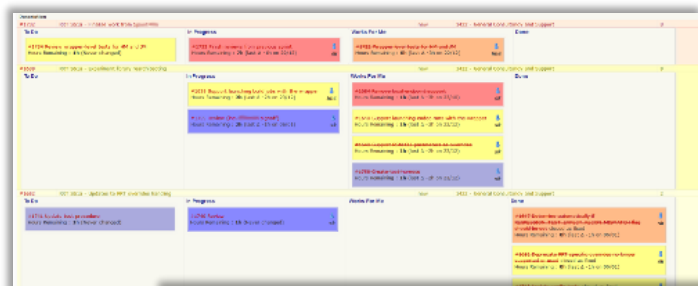
Example products:

- Aircraft infotainment systems
- Smartphones, tablets
- Wearable tech
- Industrial sensors
- Vital signs monitoring system

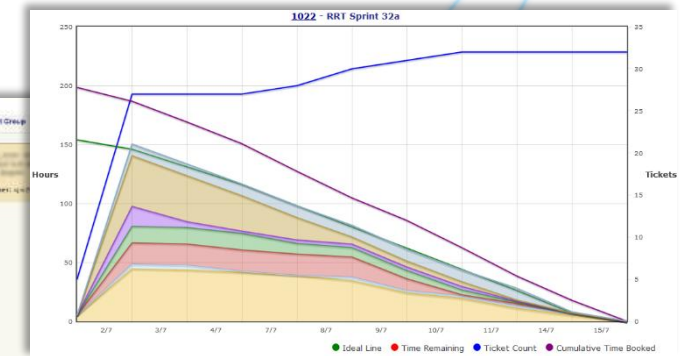


Our company values: Empathy, Trust, Considered, Passionate, Smart

- Project management
- Continuous Integration
- Revision control (SVN, Git)
- Release management
- Agile development
- Regression environments
- Feature and bug tracking
- Online peer review



Examples of on-line Scrum board, Kanban board and burn-down chart implemented within our client portal.



- Steve Dwyer – ITDev
 - [Presentation link](#)

- Dan Laird - Ericsson

- Oli Deakin – Snowflake Software

- Kevin Conroy – Raymarine
 - [Presentation link](#)

- CI Key challenges
- Split into 5 groups
- Avoid sitting with colleagues
- Quick introductions
 - Who, What, Why CI
 - Finish 2:30pm
- Capture ideas on flipcharts

- Key Challenges
 - Group 1
 - Group 2
 - Group 3
 - Group 4

- Addressing key challenges
 - Choose 1 or multi
- Split into 4 groups
- Quick introductions
 - Who, What, Why CI
- Capture ideas on flipcharts

- Solutions
 - Group 1
 - Group 2
 - Group 3
 - Group 4

- Please complete feedback form
 - Gift in return
 - Check the “keep me informed” boxes
- Summary of event + videos
- Follow up with each attendee
 - Personal feedback
 - How to engage others

- Review expectations
 - ...
- Embedded Linux event / Next CI event
 - ~18th October
- Please return badges for recycling

Our Company Values...



Empathy, Trust, Considered, Passionate & Smart