

Philip Alan Crawley, BSc.(hons.), IEng, MIET.

Chief Engineer

Date of birth:	10th Sept. 1967	Address:	6, Thorpedale Road,
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2003 – 2019

Head of Systems Integration Dept.

Root6 limited – Jigsaw24 Media & Entertainment System from 2017

Head of department responsible to the company board for technical design, supervision, and certification of customer projects. Lead consultant in media technology; colourimetry, custom electronics, high-speed networking as well as delivering various internal and external training courses. Supervising all engineering staff.

Running the systems integration department of one of London's most successful technology resellers serving the television and media industry. Designing facilities of varying sizes and managing all budgets, I supervise the pre-sales and design/build process through to completion and commissioning for the client. From there I have to provide certification to show the facilities meet the relevant safety legislation and ensure that Root6 can provide appropriate and ongoing technical support with our in house team of engineers.

My team is two other engineers and a wireman and up to two-dozen contractors as jobs demand. Budgets have ranged from a few tens of thousands to £1.5m. Larger Clients include MTV, Channel Five, Moving Picture Company, Arsenal Football Club and National Geographic.

Over recent years I have grown the fibre/SAN/data side of the installations business and we have managed large DI film installs involving grading rooms and DCinema / film-scanning. I also provide consulting services for colourimetry and monitoring as well as cross-format 4k/UHD working and CWDM fibre systems (campus and wide-area)

I have a well-rounded understanding of current infrastructure and broadcast technology and have taken my team into diverse technologies – ten/forty gigabit Ethernet as well as all kinds of fibre which has allowed us to tackle data centre jobs as well as more traditional film and television machine rooms, OB trucks, studios (virtual and real) and workflows.

I also supervise the documentation process from quoting through method/scope documents as well as handover and certification.

I am responsible for all engineering training for both staff and external customer's engineering teams.

To see some of the diverse projects I take on see my Career Summary.

1999 - 2003

The Resolution Post Group

Board-level technical lead driving change for a company that grew from a £5m turnover with twenty staff to £25m with eighty staff within five years.

**Chief Engineer then
Technical Director**

Running engineering across the companies that make up one of London's largest T.V. & media facilities groups. I had responsibility for six full-time engineers and freelancers as projects and operational load dictated. I designed, project-managed and supervised the build of Resolution City - 24 suites and large central technical area. I designed and supervised the build of Resolution's first OB unit (location editing based on a fibre channel SAN). I was credited *technical supervisor* for the first three years of "Big Brother" and the first season of "Fame Academy". I also supervised the entire IT infrastructure across all premises, including an in-house implemented video-over-IP remote viewing/approval system for our major client - Endemol Entertainment.

1994 - 1999

Oasis Television limited

Lead technical authority and supervisor of engineering dept.

Chief Engineer

Working in a large West End facility. Responsible to the M.D. for all aspects of engineering across eight on-line, fourteen non-linear, three audio and five Unix-based graphic suites. I designed and supervised the build of O² duplication (a daughter company), managing budgets and freelance contractors. Team of four other engineers.

1993 - 1994

Carlton Broadcast Facilities

Staff engineer responsible for maintenance and studio operations. My time was split between studio duties (racking cameras, VT ops etc.) and maintenance - VTRs etc. I was the engineer with sole responsibility for looking after the transmission systems (LMS and BetaCart).

Senior Engineer

1988 - 1993

BBC Television News

First three years spent in studios. Two years were spent in post-production maintenance (in excess of one hundred VTR head-drum changes).

Engineer

Qualifications

BBC ETSI certificate
Wood Norton in summer 1990

Bsc(hons) 2.1 Programming & applied maths
Wolverhampton Uni., 1988

Additional Information

I have a full, clean driving license, but would rather cycle. Mix & play music (drums & guitar), Committed Christian (but I do sometimes work on Sundays!). Full member of the I.E.T. Incorporated Engineer. Beta tester for open-source PVR project and adviser on podcasting and new media for charities. IET 18th Edition trained for electrical safety.

Blogger; <http://philtechnicalblog.blogspot.co.uk>

and podcaster; <http://www.engineersbench.com>

References available upon request.