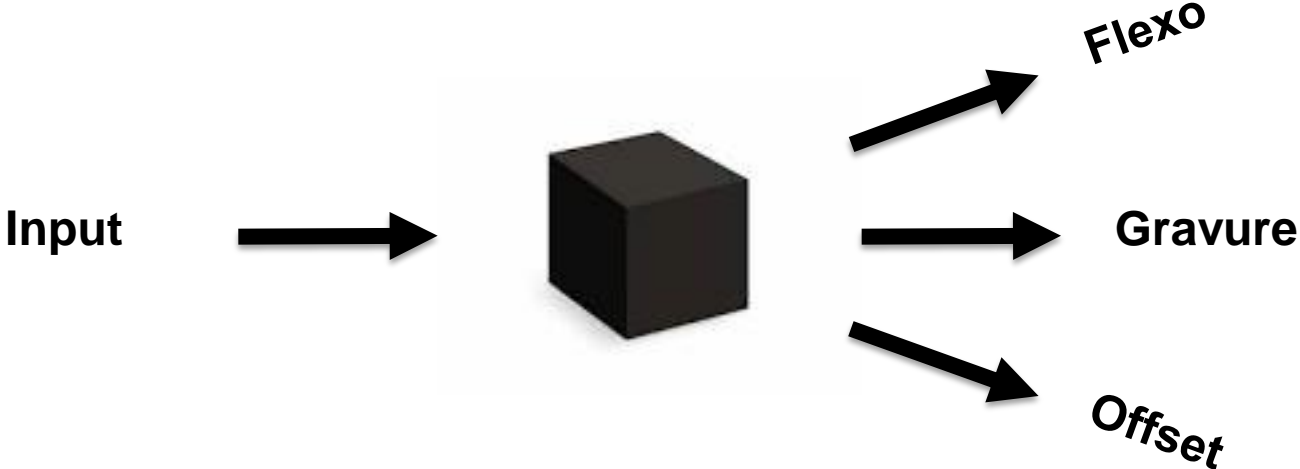


Integrated systems (and predictive proofing)

Edward Broadhurst,
Trident Americas, Director of Manufacturing

The print process



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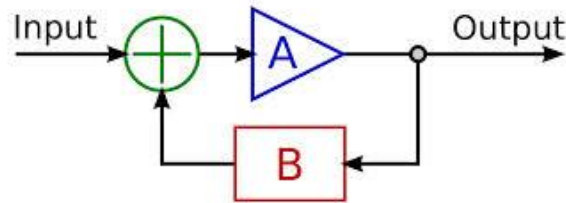
An integrated system

Melding existing systems and new technologies to form more capable systems that are intended to take on additional tasks

Predictive proofing

Examples of tools that enable system integration

Fingerprinting



Linearize fingerprint

- Linear tooling and graphics
- Print under optimal conditions

Color management

- Standardized tooling and graphics
- Print under optimal conditions
- Validate print, then create color profiles

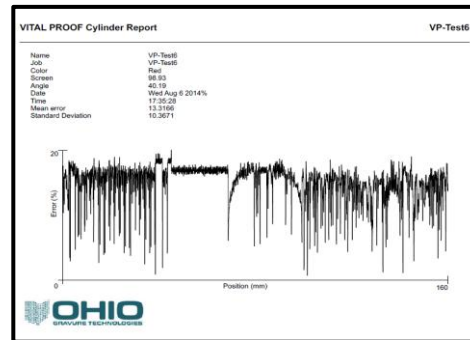
Validate

- Print quality program



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Cylinder engraving confirmation



Real-time evaluation of engraving

- Measures head response (preventive maintenance)
- Detects stylus breaks



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Cylinder proofing



Quality assurance

- Confirm no manufacturing defects
- Confirm consistency to printer
- Confirm color match to customer expectations

Design development

- Establish standards for remote printing



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Geiger/K-proof plates



Color development

- Electronic engraved cylinders

Color matching

- Improved ink/engraving understanding, prior to going to press

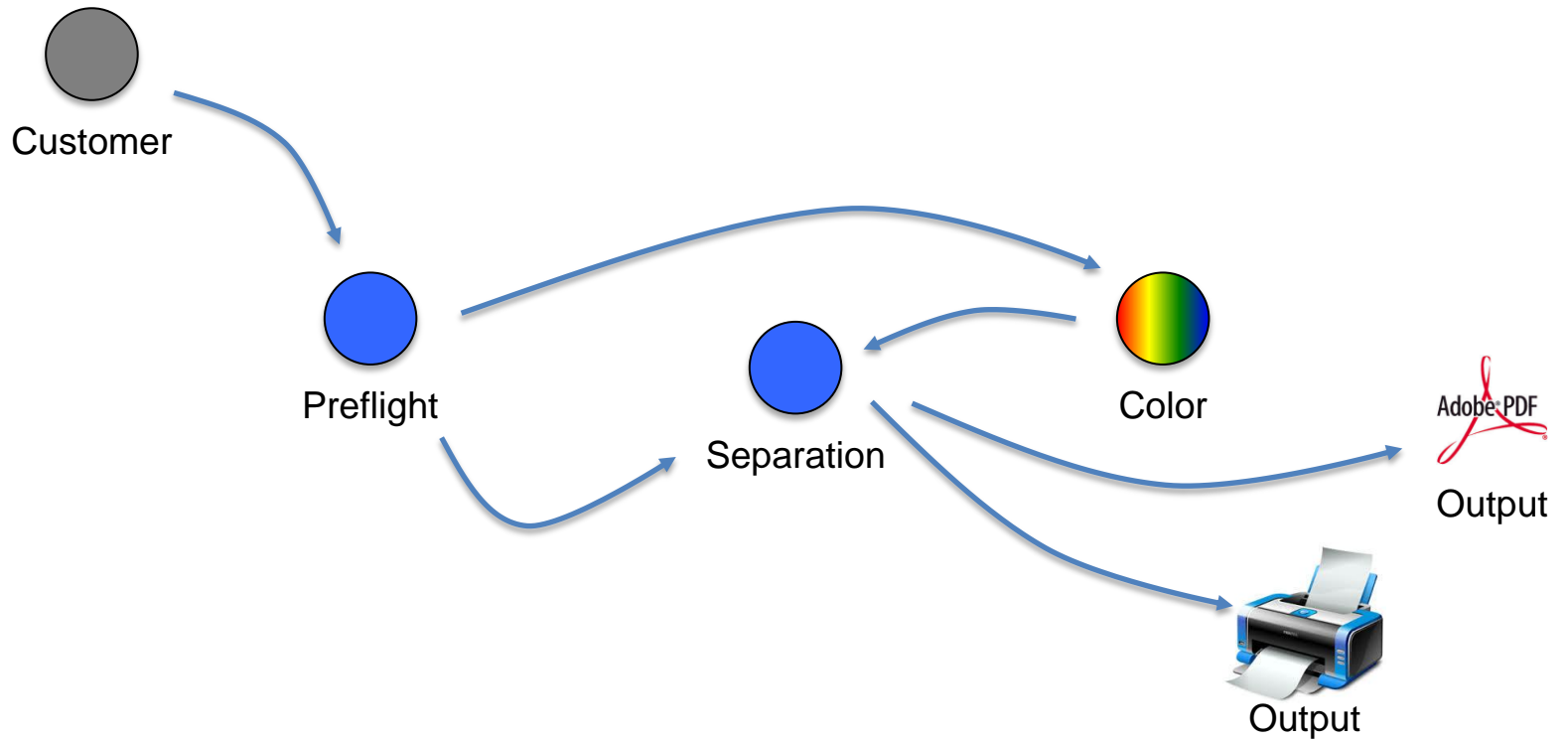


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Artwork production

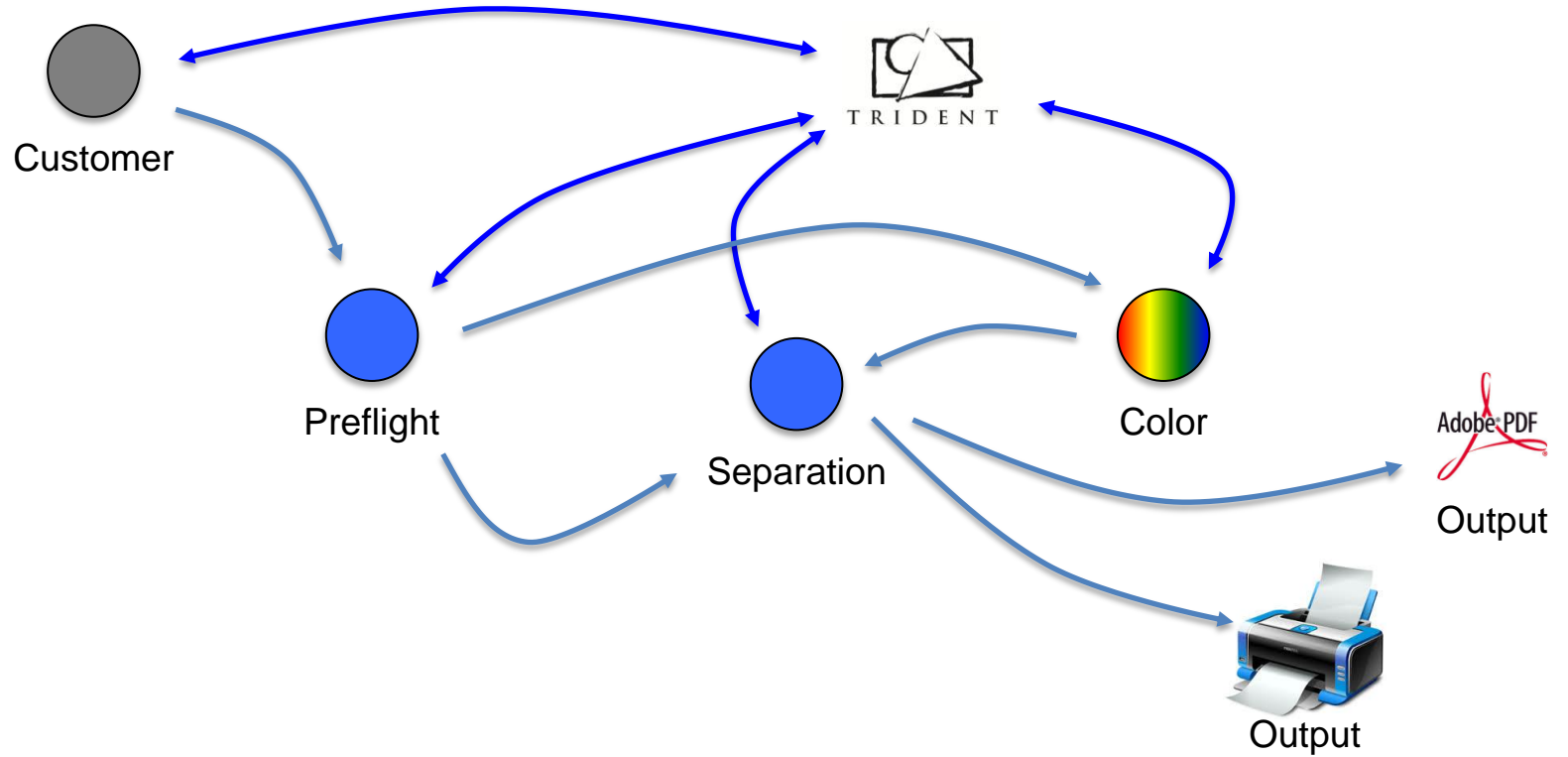
An example of an integrated system

Job flow



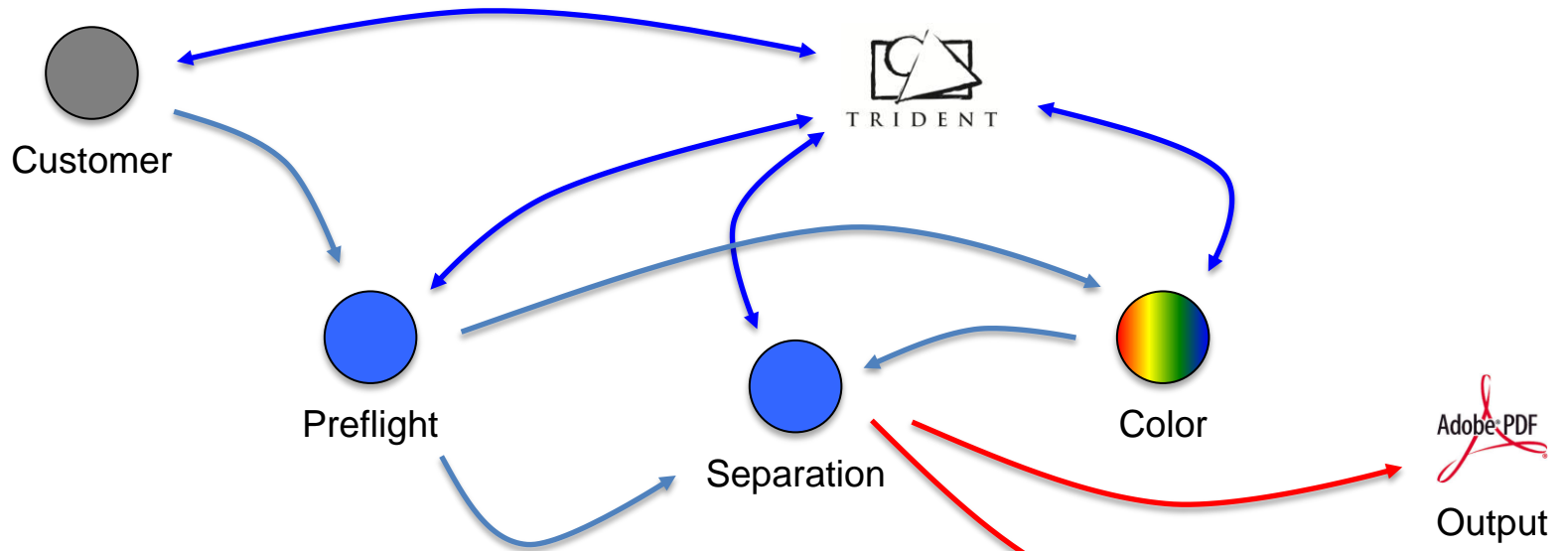
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Job flow



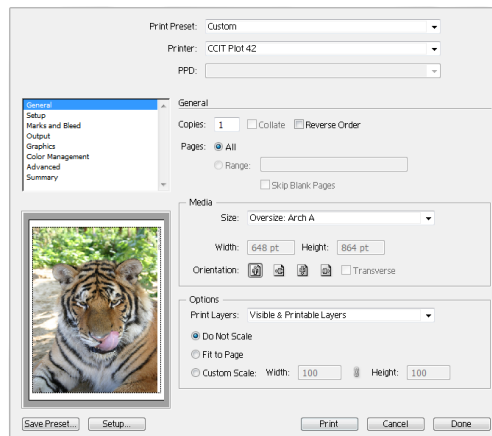
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Job flow



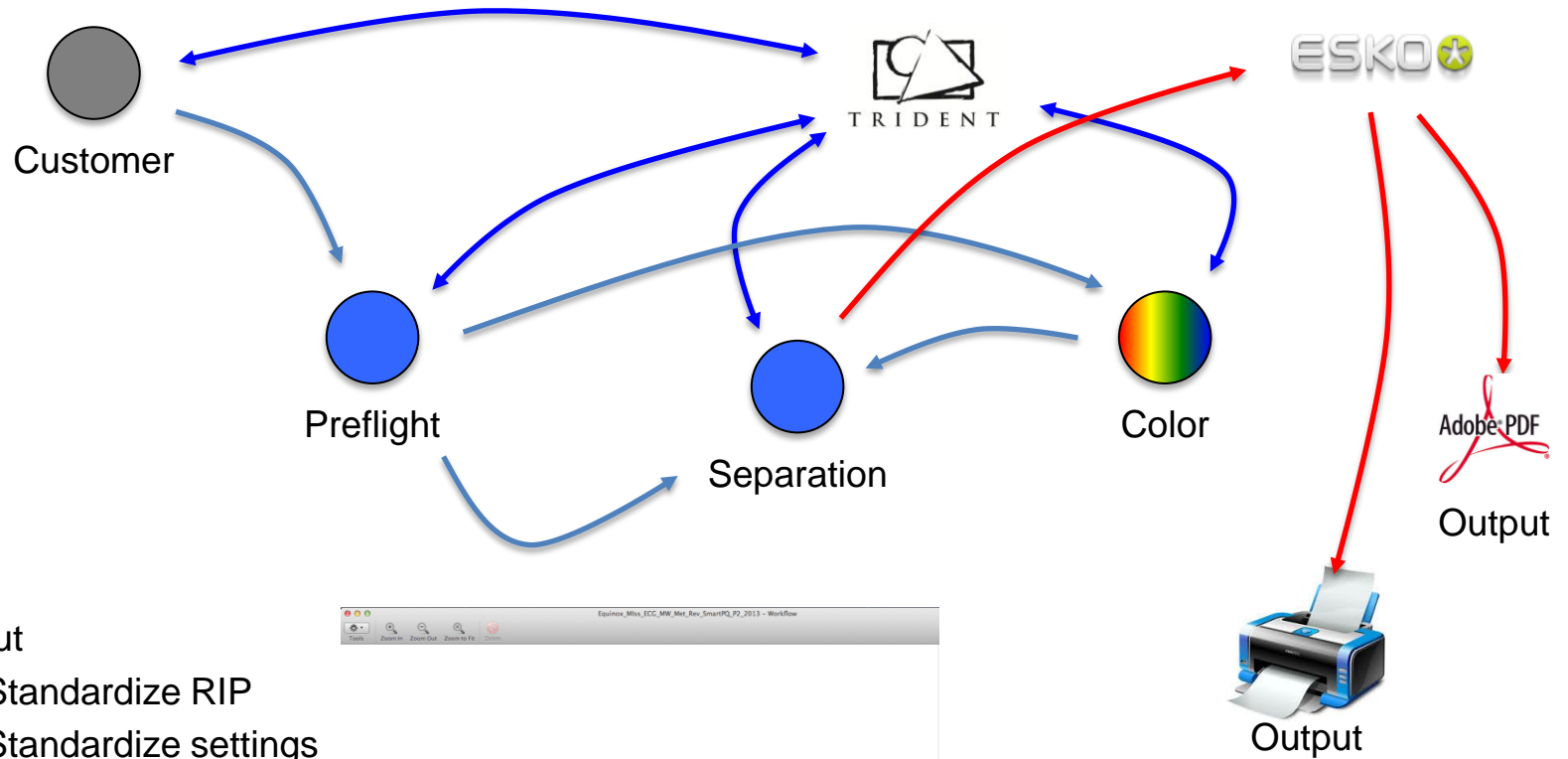
Output

- Page parameters
- Screens/Angles
- RIP
- Color management
- PDF
- Multi-location via UPS



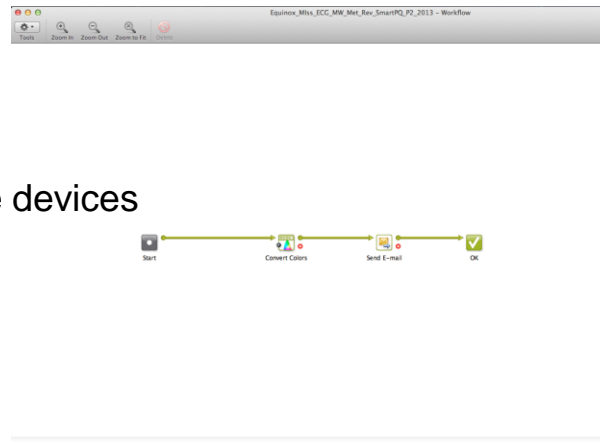
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Job flow – targeted automation



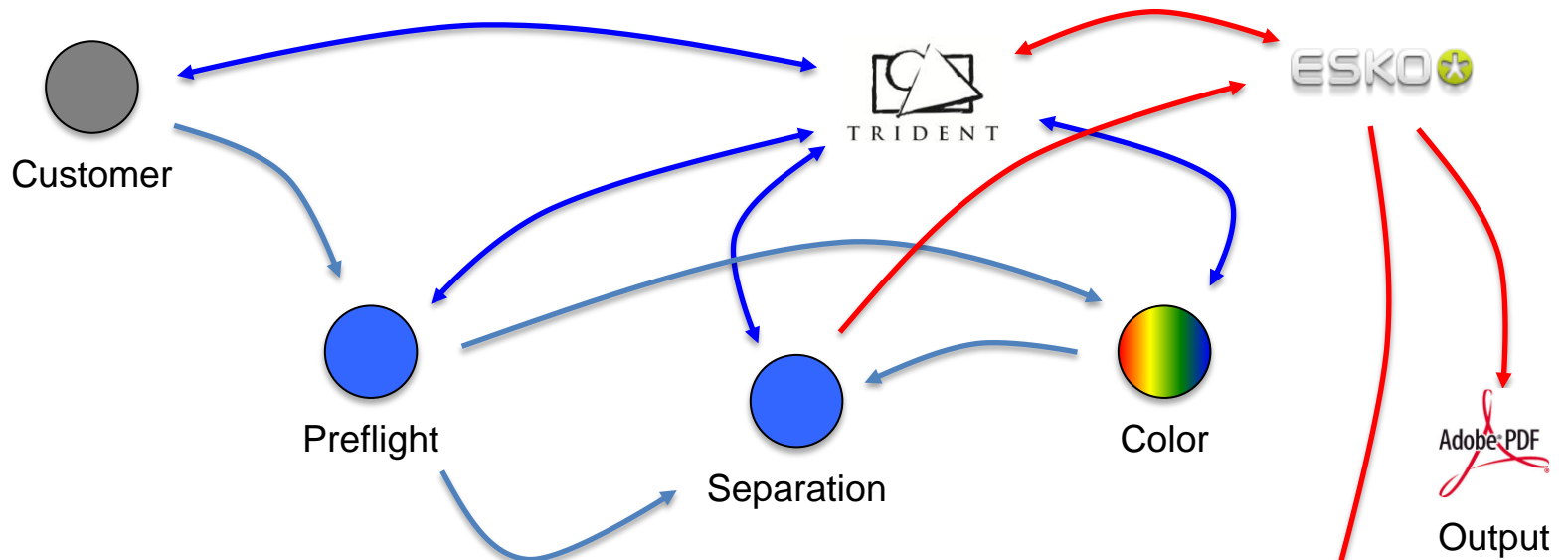
Output

- Standardize RIP
- Standardize settings
- Job routing to remote devices



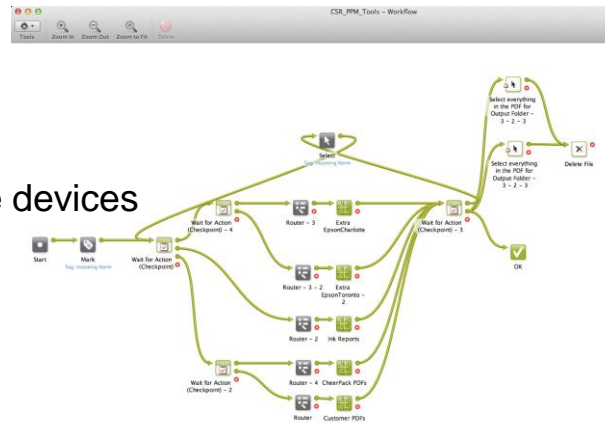
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Job flow – “Intelligent” targeted automation



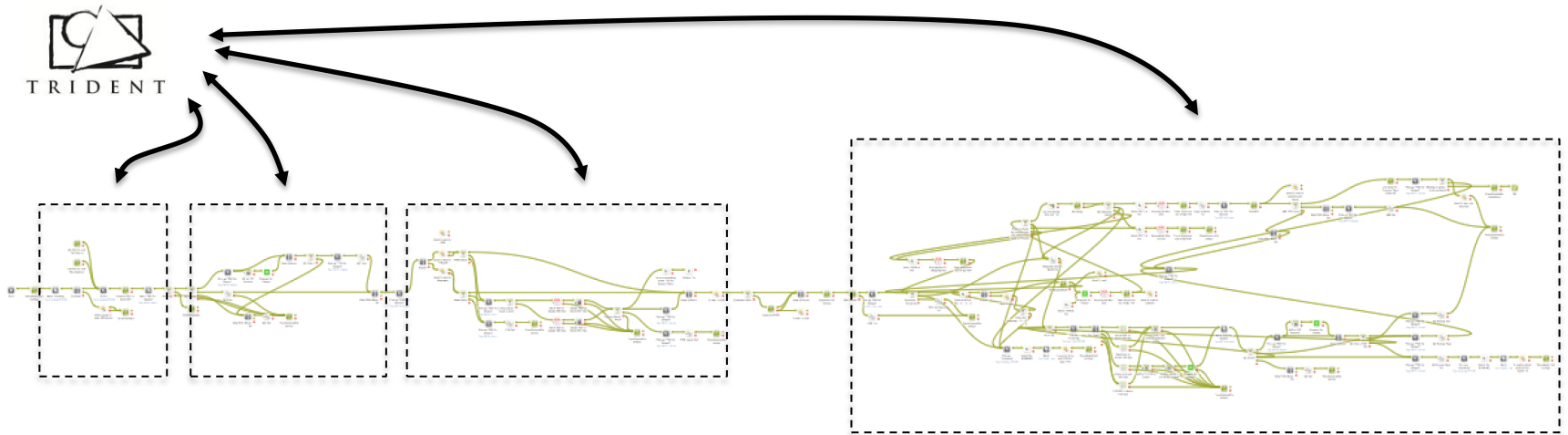
Output

- Standardize RIP
- **Dynamic** settings
- Job routing to remote devices



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Job flow – System Integration



Preflight file

Job routing **or** auto trap

Job routing **or** auto color correct

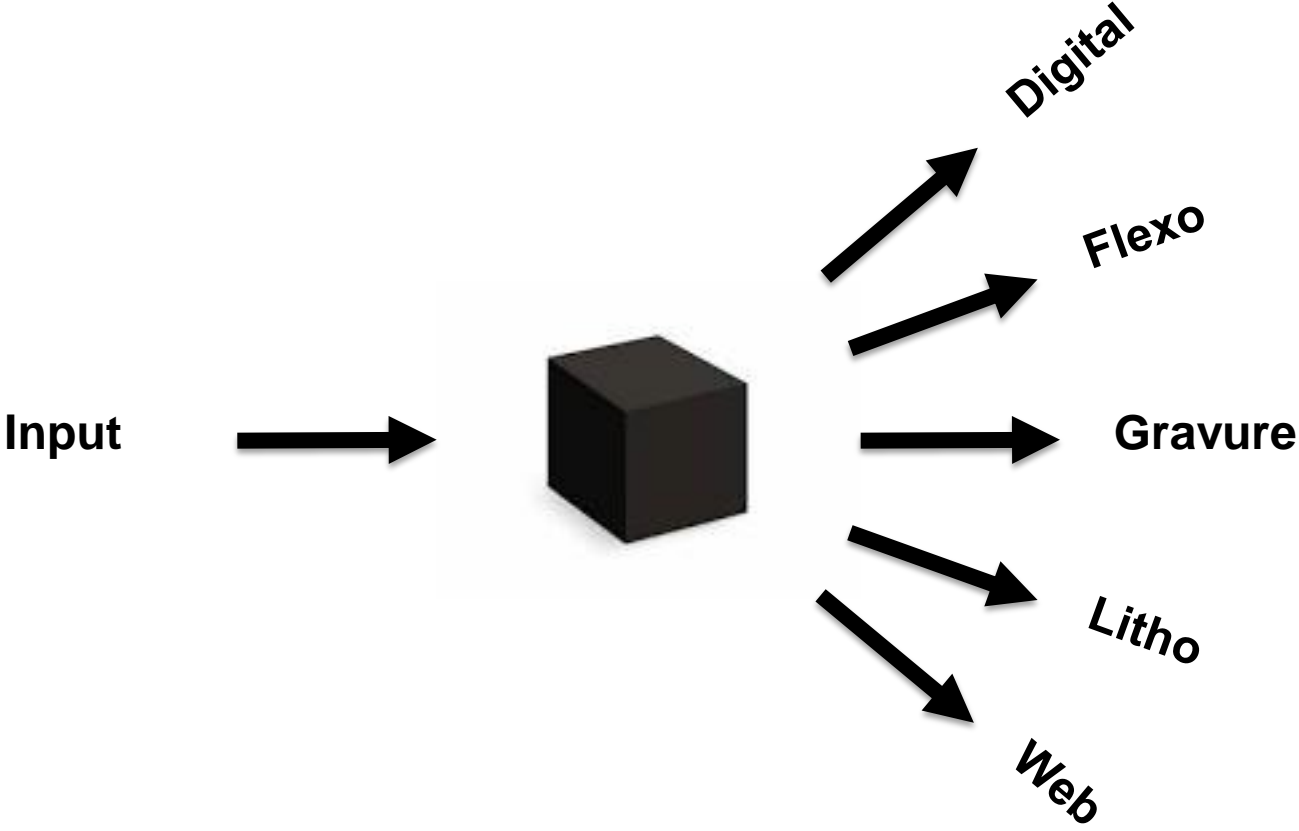
Auto output (and remote proof)

Job routing **or** auto step & repeat



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The new expectation of a customer



An integrated system

Melding existing systems and new technologies to form more capable systems that are intended to take on additional tasks

Thank you
